

*For Express Mail*  
7100 N Rachel Way  
Unit 6 Eagles Rest  
Teton Village WY 83025



*For U.S. Mail*  
P.O. Box 58  
Teton Village WY 83025  
www.ehtrust.org

DATE: May 31, 2019  
TO: Teton County Wyoming  
FROM: Devra Davis | Environmental Health Trust  
SUBJECT: Comment on County Regs Re: "5G densification"

Dear Teton County Council Members:

We are writing to inform you of the scientific grounds that are the basis for hundreds of scientists calling for a moratorium on 5G and the rollout of 4G "small cells".

FCC limits for Wireless radiation are over twenty years old. The EPA was defunded from developing proper safety standards. Instead, the FCC adopted industry-friendly guidelines from industry filled and industry loyal groups. Today the world looks quite different and the way we use cell phones and wireless devices has drastically changed.

There is extensive scientific literature showing damaging effects of wireless radiation on the environment and human health- especially for children.

The [American Academy of Pediatrics](#) recommends limiting young children's cell phone radiation exposures.

Similar to cell phones and other wireless devices, these 5G "small cells" will emit microwave radiation. This radiation is associated with a wide array of adverse [health](#) and [environmental](#) effects, including but not limited to: disrupted [migration](#) and [orientation](#) of animals like birds and insects, [cancer](#), [reproductive harm](#), [DNA damage](#), [immune dysfunction](#), [damage to the blood brain barrier](#), [altered brain development](#), [disruptions to heart functioning](#), [mental health effects](#), [memory impairment](#), [sleep disturbances](#), and [tree/plant/crop](#) damage. Multiple reviews worldwide have [documented damage](#) to the male reproductive organs.

5G and 4G densification is a serious concern for [wildlife](#). As the [U.S. Department of Interior](#) has noted, radiation studies at cellular communication towers have documented "nest and site abandonment, plumage deterioration, locomotion problems, reduced survivorship, and death" among birds. Experts warn that [amphibians and insects](#) are at particular risk from 5G. Indeed, the technology may even be able to "[punch irreparable holes in the food web](#)."

#### **EHT Letters Summarizing the Science on 5G, and 4G cell towers and Wireless**

- February 15, 2019 - [Letter to Jackson Wyoming Town Council](#) - Letter to Jackson Town Council on the current scientific risks of 5G and proposed policy options.
- March 28, 2019 - [Letter to Baltimore Planning Commission regarding Proposed Legislation on Small Cells](#) - This letter summarizes the research and science on wireless facilities.

- April 10, 2019 - [Letter to the National Park Service](#) - Documenting impacts on the environment and wildlife from cell towers and wireless facilities.

### Research Studies

- [EHT Press Release](#) on New Study: Cell Phones Exceed Safety Limits When Phones Touch the Body Gandhi, O. P. (2019). [Microwave Emissions From Cell Phones Exceed Safety Limits in Europe and the US When Touching the Body](#). IEEE Access, 7, 47050-47052.  
doi:10.1109/access.2019.2906017
- Anthony B. Miller, L. Lloyd Morgan, Iris Udasin, Devra Lee Davis, [Cancer epidemiology update following the 2011 IARC evaluation of radiofrequency electromagnetic fields \(Monograph 102\)](#), Environmental Research, Volume 167, 2018, Pages 673-683, ISSN 0013-9351
- Cindy L. Russell, [5 G wireless telecommunications expansion: Public health and environmental implications](#), Environmental Research, 2018, ISSN 0013-9351 - ([Physicians for Safe Technology Website](#))
- Landmark [US National Toxicology Program \(NTP\) Study](#) Finds “Clear Evidence of Cancer” and DNA Damage.
- [Ramazzini Study On Radiofrequency Cell Phone Radiation](#): The World’s Largest Animal Study On Cell Tower Radiation Confirms Cancer Link.
- Study: [5G Frequencies Are Absorbed Into the Skin](#)
- [5G Millimeter wave frequencies Are Used As Weapons](#)
- [Cell Tower Radiation is Linked To Damage in Human Blood](#)
- [Published Scientific Review on 5G Finds Adverse Effects](#)
- [Cellular Radiation Negatively Impacts Bees](#)
- [Cellular Radiation Negatively Impacts Wildlife](#)
- [Wireless Radiation Effects Trees](#)
- [Published Research on 5G and the Small Cell Rollout](#)

### Documents Related to Policy

- [European Parliament policy analysis regarding 5G](#) In-depth analysis comparing 5G deployment in the EU with other leading economies.
- [Mark Del Bianco memo October 17, 2018](#) Federal Law Does Not Prohibit the County from Imposing Stricter Procedural Requirements on Wireless Facilities Than on Other Pole Attachments.
- A list of [protective ordinances](#) in US Cities related to 4G/5G
- [A list of international actions by governments to halt 5G.](#)

### Published Opinion Editorials

- [5G: The Unreported Global Threat](#) OpEd by Dr. Devra Davis, Medium
- [Slow down, the jury is still out on 5G’s safety](#) Guest Shot by Dr. Devra Davis, Jackson Hole News and Guide.

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- [What 5G giveaway means for Teton Valley](#) Guest Shot by Dr. Devra Davis, Jackson Hole News and Guide.
- [Washington DC is Ground Zero for the Race to 5G](#) OpEd by Dr. Devra Davis, Thrive Global.
- [Cabled Municipal Broadband—a solution to 5G and everything else](#) OpEd by Dr. Devra Davis, Thrive Global.

Sincerely,

A handwritten signature in black ink that reads "Devra Davis".

Devra Davis, PhD, MPH  
President, Environmental Health Trust  
Fellow, American College of Epidemiology  
Visiting Prof. Hebrew Univ. Hadassah Medical Center & Ondokuz Mayis Univ. Medical School  
Associate Editor, Frontiers in Radiation and Health