



## EHT Asks President Biden to Halt 5G and to Invest in Wired Broadband

In March, the White House released its \$2 trillion infrastructure investment plan, that President Biden called "a once-in-a-generation investment in America."

The American Jobs Plan, as it is known, is an ambitious program designed to update everything from the nation's interstate highways and ports to public housing and utilities. It calls for \$45 billion to ensure no family is forced to drink water from a lead pipe, which according to the Centers for Disease Control and Prevention (CDC), can slow development and cause learning, behavior, and hearing problems in children as well as kidney and brain damage.

Environmental Health Trust Founder and President Devra Davis and EHT Advisory Board Scientific Members Paul Ben Ishai, Anthony B. Miller, Alvaro Augusto de Salles, and Claudio Fernández Rodríguez, and EHT Executive Director Theodora Scarato **have written President Biden and members of his administration to urge them to develop a sustainable wired, not wireless, broadband infrastructure.**

"The administration should focus on infrastructure that includes wired networks *up to* and *inside* of buildings and evaluate economic opportunities to ensure environmentally sustainable infrastructure. ... This much-needed improved access need not and should not depend on wireless networks but instead focus on economical wired fiber-optic cable that goes to and through the premises," they **wrote**.

The authors, who have published peer-reviewed research on the issue of wireless radiation, added that other costs associated with the 5G rollout — in particular, environmental and health costs — are prohibitive in the long run because of the effects on the climate and public safety.

"The unfettered proliferation of new wireless networks including 5G and 4G antenna densification constitutes a major global contributor to greenhouse gases and hazardous e-waste. Rather than advance climate objectives, 5G instead constitutes an unmitigated disaster for our climate because of the vast surge in energy demand that will take place. ... **Numerous reports** have **documented** the exponentially increased use of energy by 5G and 4G densification and the Internet of Things. **Streaming** with **wireless** results in higher greenhouse gas emissions compared to safer, faster, and more secure corded/wired fiber-optic connections.

"While there may be improvements in energy efficiency for new devices individually, these gains are completely lost in the increases in total demand

that will take place with the proliferation of games, videos, other streaming services, and the continued generation of highly addictive apps," the scientists wrote in their seven-page letter to the president.

More excerpts from [the letter](#):

- "We call for a full halt to the more than 1 million new 5G network antennas and associated cell towers — some slated for neighborhoods and areas of pristine wilderness in our National Parks — and the concomitant destruction of hundreds of thousands of trees and wildlife habitats."
- "We urge you to include a full life-cycle assessment of the potential impact of wireless antenna densification on climate policy that takes into account growing evidence of substantially increased greenhouse gas emissions if 5G were to be implemented, as well as emissions and pollution analysis related to the extraction, production, transportation, and disposal of materials in the full life cycle of wireless technologies."
- "The EPA should develop safety limits based on the scientific research ... (and) an interdisciplinary committee at the National Academies of Sciences (NAS) (should) review the science underlying 5G and wireless networks, identify major data gaps and uncertainties, and set priorities for research on health and safety. This review must systematically consider the full lifetime costs and benefits of 5G and other telecom technologies now on the drawing board and evaluate immediate and long-term climate impacts."

[Read the Letter to President Biden](#)

## WE MUST DEMAND ACCOUNTABILITY

As the Biden administration works with Congress to enact the American Jobs Plan, it is up to we, the public, to demand that policy- and lawmakers hold telecom companies accountable for the safety of their products.

We must also demand that the U.S. federal government **follow its own rules!** The Federal Communications Commission (FCC) has ushered in unprecedented and untested commercial expansion of 5G and 4G cellular technology without serious deliberation on the effects of this new technology on humans and the environment. Its lack of serious, systematic deliberation on the science is demonstrated by its unchecked rejection of the need to comply with the National Environmental Policy Act (NEPA), the Administrative Procedures Act (APA), and the Americans With Disabilities Act (ADA).

Our historic legal appeal, [EHT et al. v. FCC](#), documents numerous violations of these federal laws and demonstrates how the FCC did not provide evidence of having undergone a "hard-look" or systematic assessment of the scientific evidence on the [FCC's own record](#) when it [decided in 2019](#) to keep its outdated 1996 wireless radiation limits.

Unlike other countries that provide robust resources to the public on how to

decrease wireless exposure, U.S. agencies downplay the issue of health effects and provide minimal information on how families can reduce exposures. The CDC **hired an industry consultant** to draft numerous website pages on the health effects of non-ionizing radiation. The EPA **scrubbed its website** of content on potential health risks of wireless radiation.

To build an infrastructure worthy of a great nation, we must insist that the administration address the issue of non-ionizing electromagnetic radiation exposure with as much zeal as it does lead pipes and drinking water.

The harmful physical, social, and emotional effects of screens and the exposure to radiofrequency radiation in schools, public buildings, offices, hospitals, and worksites is rising with the deployment of 5G and 4G densification.

To borrow President Biden's own words, we can not have "a plan that tinkers around the edges" when it comes to public and environmental health.

## Donate to Support EHT'S FCC Lawsuit

Environmental Health Trust is a nonprofit 501(c)3 that relies on your donations to develop the scientific studies and create educational resources that inform public and environmental health policy.

Please download and share our fact sheets to reduce your exposure to wireless and electromagnetic radiation in your home.

### How to Reduce Electromagnetic Fields

#### Create A Sleep Sanctuary

- ✓ Remove all screens and electronics from bedroom and other sleep areas.
- ✓ Use a battery-powered alarm clock.
- ✓ Do not sleep near a charging device or a charger that is connected to electricity.
- ✓ Do not sleep near a video game that is connected to electricity.
- ✓ At least power OFF wireless and Wi-Fi before bedtime and other periods of non-use. Best interest is wired (not Wi-Fi).
- ✓ No electrical cords under or near the bed.
- ✓ Turn off AND unplug electric blankets and heating pads before using them.
- ✓ Do not sleep at a wall where an appliance or electrical panel/meter is on the other side.

#### Smart Meters

(measure consumption of electricity/water/gas)

Smart meters emit several types of EMF:

- radiofrequency, magnetic, harmonics.
- Opt out of a smart meter.
- Analogue meters are the safest.
- Join with others in your community to ensure everyone has a free "Opt-Out."

More Expert Information at [EHTTRUST.org](http://EHTTRUST.org)

#### In Cars & Other Vehicles

Prefer all phones and screens are powered OFF (or at least set to Airplane Mode with both Bluetooth and Wi-Fi OFF).

For GPS prefer without Bluetooth.

Text/call when you are outside the vehicle.

You can turn OFF the vehicle's Bluetooth. Contact manufacturer about turning OFF other wireless antennas.

A mobile phone that is not in Airplane Mode or powered off automatically goes to high power in traveling vehicles, whether or not the phone is actively being used.

Metal surroundings trap and reflect signals, increasing exposures to all occupants.

#### All Electronics Emit EMFs

Even when Wi-Fi is OFF, EMFs spill out of devices because of the electrical or battery power. This applies whether or not the device or appliance has a screen. The intensity of this exposure is reduced by increased distance from the source.

- Do not put electronic devices on laps.
- Keep and use screens and electronics on a table.

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**Download EHT's Black and White Checklist for Reducing EMFs at Home**

### BE SUPER-SMART REDUCE WIRELESS

Simple steps to practice safe tech.



**TURN IT OFF WHEN NOT IN USE.**  
Avoid unnecessary radiation by powering off wireless devices, network equipment, and hotspots when not in use, like at bedtime.



**PRE-DOWNLOAD INSTEAD OF STREAMING.**  
Remember that when you wirelessly stream videos or music the radiation goes into your body. It is better to pre-download audio and video files and then watch or listen with wireless connections turned off.



#### USE A PLUG-IN ETHERNET CORD.

It is super fast. Whenever possible connect your laptop, tablet, or computer with an ethernet cord (with Wi-Fi OFF, and Bluetooth OFF).



**CORDED PHONE**  
Cordless phones do not emit wireless radiation.



#### DISTANCE MATTERS.

Maximize the distance between people and wireless devices.



#### WIRED (NOT WI-FI & NOT BLUETOOTH)

Use a wired mouse, speakers, printer, game system, keyboard, tv, etc.



**HEALTHY SLEEP**  
Remove electronics and wireless devices from around your bed. Do not sleep with your cell phone.



#### MINIMIZE FACETIME AND SOCIAL MEDIA ON CELL PHONES.

When you use facetime or post images, your phone emits more radiation. Instead, do social media or video sharing on a computer connected to the Internet by ethernet cord (with Wi-Fi turned off).

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Learn more at [www.ehtrust.org](http://www.ehtrust.org)

**Download EHT's Two-Page PDF on How to Use Safer Technology**

