

Today is Earth Day

# Time to Protect Birds, Bees and Trees

Earth deserves  
safe & healthy technology.



There is a complete lack of government accountability regarding the impact of wireless radiation on wildlife.

When EHT Executive Director Theodora Scarato asked the U.S. Environmental Protection Agency (EPA) if it had reviewed the science on impacts to birds, bees, and trees.

The EPA [replied](#), *“The EPA does not have a funded mandate for radio frequency matters, and we are not aware of any EPA reviews that have been conducted on this topic.”*

An inconvenient truth: Current government limits were not designed to protect wildlife. Nor do they consider the increasing greenhouse gas emissions of this technology from producing, using and disposing of unfettered wireless technology networks.

Environmental Health Trust works every day to fix this. We share the science and educate lawmakers on the urgent need to protect the environment.

On Earth Day, we share with you key resources you can share in your community.

**An Earth Day Message From Dr. Devra Davis**



## Our Lawmakers Need To Know

Did you know that the New Hampshire Commission on 5G recommended the federal government develop safety limits that protect wildlife? [Read NH Report Recommendation 14 and 15.](#)

EHT has written numerous letters to officials- highlighting the effects on wildlife and the need for Earth-sustaining technology. Please download and share our letters.

- [EHT's Letter President Biden](#)
- [EHT's Letter to ANSES- French Government Agency](#)
- [EHT's Letter to Israel on Legislative Amendments](#)
- [EHT's Letter to U.S. National Park Service](#)

## What Does Research say About Wireless and EMF's Impacts on Trees, Birds and Bees?

- A 9 year [field study](#) found significant impacts to trees and an investigation of 700 trees found [damage starts on the side of the tree with highest radiation.](#)
- A 2017 review on [impacts to plants](#) concluded, "a substantial amount of the studies on RF-EMFs from mobile phones show physiological and/or morphological effects."
- A research review titled "[Electromagnetic radiation as an emerging driver factor for the decline of insects](#)" documented harmful effects on bees and from on non ionizing electromagnetic field exposures.
- A landmark 3-part 2021 [research review](#) on effects to wildlife published in Reviews on Environmental Health states current science is adequate to trigger urgent regulatory action, referencing more than 1,200 scientific references that reported

## How Will 5G Impact Climate?

5G and the Internet of Things will increase energy consumption and contribute to climate change because of the millions of new cell network antennas and billions of new devices.

Our President, Devra Davis PhD, MPH, has worked on climate issues for decades. She was one of the lead authors of the [Intergovernmental Panel on Climate Change Report](#) that was awarded the Nobel Peace Prize in 2007 with the Honorable Al Gore.

- Read EHT's Devra Davis "[Australia Fires And Technology's Climate Vampire: Why The Environmental Impact Of 5G Expansion Could Be Massive](#)" published in International Business Times.
  - Read EHT's Theodora Scarato "[Allowing Unfettered Access to Build Cell Towers in the Name of 5G Is Bad Policy for Climate Policy](#)" published in Maryland Matters.
  - Read studies on the [increased energy consumption of 5G](#).
  - [Download EHT's Factsheet on 5G and Climate](#).
-



# Climate Change, 5G & the Internet of Things

## Massive Increases in 5G Equipment = Massive Increases in Energy Use

### Big Tech is Pushing 5G

5G requires millions of new cellular antennas called "small cells" (basically shorter cell towers) to be built in neighborhoods *directly in front of our homes*. These 5G antennas are to connect with billions of new wirelessly connected "smart" devices referred to as the Internet of Things (IoT). Researchers are warning us that the energy consumption of 5G and the IoT is projected to skyrocket.

### 5G is NOT Sustainable

The demand for technology is outstripping the increase in efficiency. The energy consumption will rise sharply due to the ever increasing IoT energy demands *at every stage of the lifecycle* of 5G equipment, from device manufacture to data centers to data transmissions, and networks.

### 5G is an Energy Hog

"A lurking threat behind the promise of 5G delivering up to 1,000 times as much data as today's networks is that 5G could also consume up to 1,000 times as much energy."

— IEEE Spectrum, 5G's Waveform Is a Battery Vampire

### We must consider the environmental footprint of the digital ecosystem.

"Behind each byte we have mining and metal processing, oil extraction and petrochemicals, manufacturing and intermediate transports, public works (to bury the cables) and power generation with coal and gas. As a result, the carbon footprint of the global digital system is already 4% of global greenhouse gas emissions, and its energy consumption rises by 9% per year."

— Jean-Marc Jancovici, President of The Shift Project, member of the French High Climate Council

The digital version of this document is hyperlinked to online sources for more information. View all sources at EHT's Climate Change webpage [ehtrust.org/climate-change-and-5g](https://ehtrust.org/climate-change-and-5g)

**70.2 million**

"small cell" tower bases to be installed by 2025

**500 billion**

devices are expected to be connected to the Internet by 2030

**8.9 billion**

mobile phone subscriptions worldwide by 2024

**60% increase**

per year in production of wireless peripherals (Wi-Fi/Bluetooth speakers, appliances, wearables)

**700%**

increase in mobile data traffic globally projected between 2017 and 2022

5G was not premarket safety tested.  
Fact sources also at [EHTrust.org](https://ehtrust.org)

 ENVIRONMENTAL  
HEALTH TRUST

## Are Environmental Groups Taking Action?

Worldwide, numerous environmental groups have written letters and are raising awareness about the unfettered energy consumption of 5G and the impact to trees, bees and wildlife.

- The [Green Party of California](#) statement on 5G recommending precautions to reduce wireless exposures and to promote safer alternative technologies to 5G.
- Greenpeace France released a [position on 5G](#) as creating "digital pollution" that will increase carbon emissions, increase e-waste, strip the earth of natural resources and contribute to human tragedies on a global scale.
- [Ecologists in Action](#), a major environmental group in Spain, issued a [5G position](#).
- Extinction Rebellion [blocked a Wireless Company store](#) in Belgium stating, "We are opposed to the large-scale deployment of the 5G mobile telephone network... with 5G, this energy consumption and the resulting effects will double, which is

unacceptable while we are currently fighting against global warming.”

- In France the “Extinction Rebellion Orléans” collective [mounted actions](#) such as posting anti-5G posters and a protest. (See also [Extinction Rebellion France](#))
- The [Washington DC Sierra Club](#) testified at the 5G small cell roundtable on the need to protect trees from cell antenna densification. ([Video](#))

## Watch the Washington DC Sierra Club Testimony



## Are Environmental Journalists Writing Articles?

Yes. Here a few of the numerous articles.

- [Report says wireless radiation may harm wildlife](#) by Scott Wyland in Santa Fe New Mexican
- [Is wireless technology an environmental health risk?](#) by Katie Alvord, Society of Environmental Journalists Journal
- [Research suggests cell-tower radiation harms wildlife](#) by Suzanne Potter in Public Health News Service
- [Letters about Nature and Technology](#) by Katie Singer and Miguel Coma
- [What will 5G mean for the environment?](#) by Claire Curran, University of Washington
- [Social Justice, Climate, Trees, Birds and Bees](#) by Marion Edey in the Montgomery Sentinel

**EHT works every day to protect the environment.  
Please support our work.**



DONATE NOW TO EHT

ENVIRONMENTAL  
HEALTH TRUST

# Protect Human Health and the Environment

Connect with Us to Spread Awareness.



 **WE PROTECT CHILDREN**

WE LOVE BIRDS BEES & TREES

**WE BELIEVE IN SCIENCE**

THOUSANDS OF DOCTORS CALL TO HALT 5G

**TO PROTECT HUMAN HEALTH AND WILDLIFE**

**WE SAY NO TO 5G "SMALL" CELL TOWERS**

**WE SAY YES TO SAFE  
HEALTHY TECHNOLOGY**

Science at EHTRUST.ORG

