

5G

Infrastructure and Implications



Wisconsin For Safe Technology - ICC Meeting – February 11, 2019

Wisconsin For Safe Technology, UA



- Non-profit citizens group
- Opposed to 5G technology
- Harm from wireless radiation
- Opposed to restrictive legislation
- Wireless safety tips
- www.WisconsinSafeTech.com
- National coalition, Americans For Responsible Technology

**Your can turn off your cell phone.
You cannot turn off a cell tower.**

Note: This presentation is for educational purposes only. It is not to be considered legal or medical advice.



AMERICANS for
RESPONSIBLE
TECHNOLOGY



Americans for Responsible Technology is a voluntary association of organizations and individuals across America who are aligned behind a set of principles regarding the implementation of new communications technologies in North America. On behalf of our supporters, we seek to influence public policy at all levels of government, consistent with those principles. Current supporting organizations include:

5G Free Marin - Marin County, CA
California Brain Tumor Association - San Francisco, CA
Cellular Phone Task Force - Santa Fe, NM
Center for Safer Wireless - Washington, DC
Centerville Concerned Citizens - Centerville, MA
Citizens League Encouraging Awareness of Radiation (C.L.E.A.R.) - Whidbey Island, WA
Citizens For 5G Awareness - Huntington, NY
Coalition to Stop Smart Meters - Victoria, BC
Consumers for Safe Cell Phones - Bellingham, WA
The Ecological Options Network (EON) - Marin County, CA
Electrical Pollution - Waterloo, WI
ElectromagneticHealth.org - Boulder, CO
Electromagnetic Radiation Awareness of the Treasure Coast (EMR Awareness) - Vero Beach, FL
Electromagnetic Pollution Illnesses Canada Foundation (EPIC)
Electromagnetic Safety Alliance - Tucson, AZ
Environmental Health Trust - Teton Village, WY
EMF Safety Network - Sebastopol, CA
Families for Safe Meters - Eugene, OR
Fertile Fields Farm - Westmoreland, NH
Grassroots Environmental Education - Port Washington, NY
Healthy Homes Consulting - West Brandywine, PA
Hilltown Health - Charlestown, MA
International Institute for Building Biology and Ecology - Clearwater, FL
Keep Your Power - Kilauea, HI
Last Tree Laws - Massachusetts
Manhattan Neighbors for Safer Telecommunications - New York, NY
Maryland Coalition to Halt Cell Towers at Schools - MD
Maryland Smart Meter Awareness - Baltimore, MD
Michigan Safe Technology - Battle Creek, MI
Montgomery County Coalition for Responsible Telecommunications - Silver Spring, MD
My Street, My Choice! - Santa Rosa, CA
Nevada County California Wireless Research Group - Nevada City, CA

New York Safe Utility Meter Association (NYSUMA) - Woodstock, NY
NoSmartMeter.org - Central Point, OR
No Smart Meter Coalition - Topanga, CA
No Smart Meters 4 Indiana - Merrillville, IN
Oconomowoc for Safe Technology - Oconomowoc, WI
Oregon for Safer Technology - Ashland, OR
Our Town, Our Choice - Baltimore, MD
Parents for Safe Schools - Victoria, BC
Parents For Safe Technology - Washington DC
Pennsylvanians for Safe Technology - Reading, PA
Pennsylvania Freedom Allies - Westmoreland County, PA
Proudfoot Foundation of Pennsylvania - Wyomissing, PA
Radiation Dangers - Massapequa Park, NY
Safe Schools Global Ltd - London, UK
Safe Schools Prince George's County - Greenbelt, MD
SafeTech Kids NC - Fairview, NC
San Antonio Smart Meter Awareness - San Antonio, TX
San Mateo Citizens for a Safe Environ. - San Mateo, CA
Santa Fe Alliance for Public Health and Safety - Santa Fe, NM
Scarsdale for Responsible Technology - Scarsdale, NY
Scientific Alliance For Education - Sheffield, MA
Scientists for Wired Technology - Sausalito, CA
Smart Meter Education Network - Ann Arbor, MI
Smart New Jersey - Milford, NJ
Southwest Ohio for Responsible Tech - Ohio
Stop Smart Meters - Portola, CA
Stop Smart Meters Woodstock NY - Woodstock, NY
TechSafe: Healthy Living with Technology - Silver Spring, MD
Towards an Internet of Living Beings - Oroville, CA
Understanding EMFs - Ashland, MA
We Are the Evidence - New York
Wendy Walks for ES
Weston A. Price Foundation
Wireless Action - Waukesha, WI
Wireless Information & Safety Education - San Francisco, CA
Wireless Radiation Education & Defense - Berkeley, CA
Wisconsin For Safe Technology - Greendale, WI
Zona Jo Programs - Canada

What is Wireless Radiation?

- Cell phones, Wi-Fi, Bluetooth
- Laptops, tablets, Chromebooks
- Smartboards, classroom access points
- Wearables, home assistants
- Wireless mice and keyboards
- Wireless baby monitors
- Utility smart meters
- Gaming systems
- Cordless phones
- Cell towers/antennas (5G)



What is 5G and IoT?

5G promises a lot...



Infrastructure

- Antennas 2-10 houses
- Installed on street lights, utility poles, trash cans, bus stops, buildings
- Huge power cabinets
- Significant aesthetic blight
- We can't opt out
- Involuntary exposure to radiation 24/7



Source: Americans For Responsible Technology



**Who put a mini cell tower
next to...**

**my daughter's
bedroom window?**



AMERICANS for
RESPONSIBLE
TECHNOLOGY

Photo credit: John Unger

Photo credit: <http://www.pressdemocrat.com/news/7864085-181/new-verizon-antennas-generate-unwelcome>

5G Pushback Video

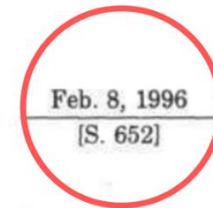
Citizens Pushing Back Against 5G

<https://www.youtube.com/watch?v=xXS218qE37c>

Policy

- 1996 Telecom Act
- Wisconsin's 2013 Mobile Siting Regulations
- FCC Order Sept. 26, 2018 stripping local control for 5G
- Cell tower siting important to municipalities/citizens

**U.S.
wireless
radiation
safety
guidelines
haven't
been
updated
since 1996.**



Telecommuni-
cations Act of
1996.
Intergovern-
mental relations.
47 USC 609 note.

Public Law 104-104
104th Congress

To promote competition and
higher quality service in the
telecommunications industry and
the rapid deployment of new
services.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE.

(a) SHORT TITLE.—The title of this Act shall be "Telecommunications Act of 1996".

(b) REFERENCE.—Whenever in this Act the words "this Act" are used, they shall be construed to refer to the provisions of the Act.

SEC. 2. TABLE OF CONTENTS.

The table of contents of this Act is as follows:

Sec. 1. Short title; reference.
Sec. 2. Table of contents.
Sec. 3. Definitions.

Source: Americans For Responsible Technology

Health Effects Wireless Radiation

- Skyrocketing cancer in adults and children
- DNA damage
- Infertility/miscarriage
- Cognitive impairment
- Brain fog/Alzheimer's
- Autism/ADHD
- Anxiety/depression
- Headaches/fatigue
- Sleep disorders
- Diabetes
- Heart irregularities
- Electromagnetic Sensitivity aka Microwave sickness



Source: Americans For Responsible Technology

Source: <https://ehtrust.org/science/research-on-wireless-health-effects/>

“My industry’s behavior must improve.”

- Frank Clegg, Fmr. Pres. Microsoft Canada
- In the technology industry for 41 years
- “My industry must take a more responsible approach to researching potential harmful effects of new technology BEFORE releasing to market.”



“No Longer a Subject for Debate.”

Dr. Sharon Goldberg Testimony

October 2018

<https://www.youtube.com/watch?v=1Qt5B39LB7c>

Scientists Call for 5G Moratorium

The 5G appeal

Scientists and doctors call for a moratorium on the roll-out of 5G.

5G will substantially increase exposure to radiofrequency electromagnetic fields RF-EMF, that has been proven to be harmful for humans and the environment.

[Read more](#)

Source: www.5GAppeal.eu

The Science

- 2018 U.S. National Toxicology Program Study: “Clear evidence of cancer” from wireless radiation.
- 2018 Ramazzini Study: Cell tower radiation causes cancer.
- BioInitiative Report: 3,800 scientific studies proving wireless radiation causes harm.



NTP

National Toxicology Program
U.S. Department of Health and Human Services

Source: <http://www.usa.gov/Topics/Graphics.shtml>

Read the science here:

- Environmental Health Trust
- Physicians For Safe Technology
- Grassroots Environmental Education

Why Don't We Know?

- Telecom industry funds mainstream media
- Wireless executives also know there is harm
- Using the Big Tobacco playbook to create doubt
- No product liability insurance coverage for wireless industry
- Fine-print warnings in cell phone to keep off body

"The best ally of industry and the FCC...may be public ignorance."

-Norm Alster, Harvard University,
Edmond J. Safra Center for Ethics



Source: Americans For Responsible Technology

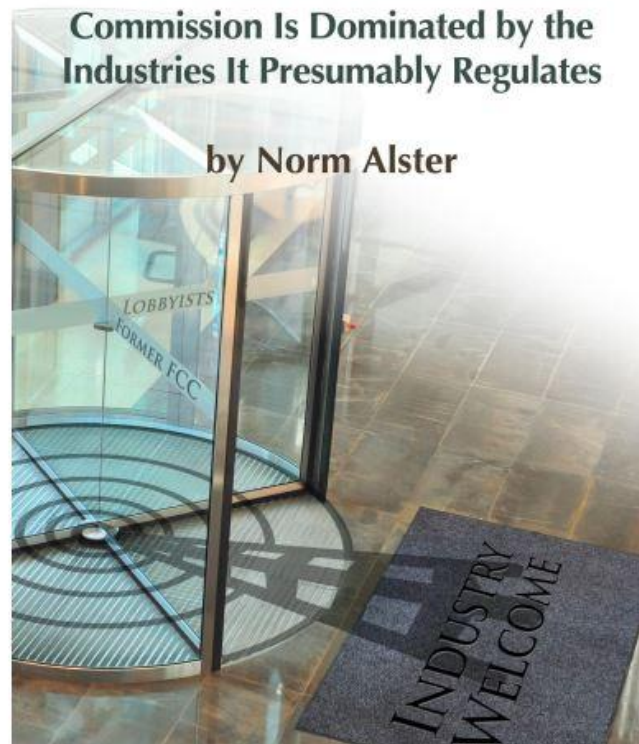
FCC – The “Captured Agency”

- Current guidelines from 1996
- Only address thermal (heat) harm, not biological
- We have no safety standards in place
- EPA defunded in 1996
- FCC has no medical experts
- Revolving door between industry and FCC
- Head of FCC former Verizon attorney

Captured Agency:

How the Federal Communications Commission Is Dominated by the Industries It Presumably Regulates

by Norm Alster



www.ethics.harvard.edu

Implications of 5G



Implications

- Property value decline
- “The more connected the world gets, the more vulnerable it becomes.” – *The Economic Times*
- IEEE wireless 10x the energy as wired technology
- AI could replace 40-50% of all U.S. jobs in next 15 years – *AI Superpowers*

Your property value could take a nasty hit overnight.



Source: Americans For Responsible Technology

Everything connected, everywhere
=
utopia for hackers and data miners.



Source: Americans For Responsible Technology

Solutions

- Support **U.S. Congresswoman Eshoo's Bill H.R. 530**
- State legislation being drafted right now
- Support safe, reliable, secure WIRED infrastructure all the way to the home. “[Reinventing Wires: The Future of Landlines and Networks.](#)”
- Demand FCC update its wireless radiation guidelines
- Share what you learned here today with your colleagues
- Provide proper notice to citizens of future cell tower/antenna installations
- Generation Zapped movie
- To learn more:
www.WisconsinSafeTech.com
www.EHTrust.org



We've seen this movie before.
And it doesn't have a happy ending.

Tobacco
Asbestos
And now...5G



Visit www.telecompowergrab.org to learn more.

“I am a legitimate scientist and I am telling you.”

–Dr. Magda Havas, Ph.D.

Dr. Devra Davis and Other Scientists Warning

<https://youtu.be/o9thLHXuJs>

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