

# Safe Technology Introduction

Pensacola, FL

September 8, 2020

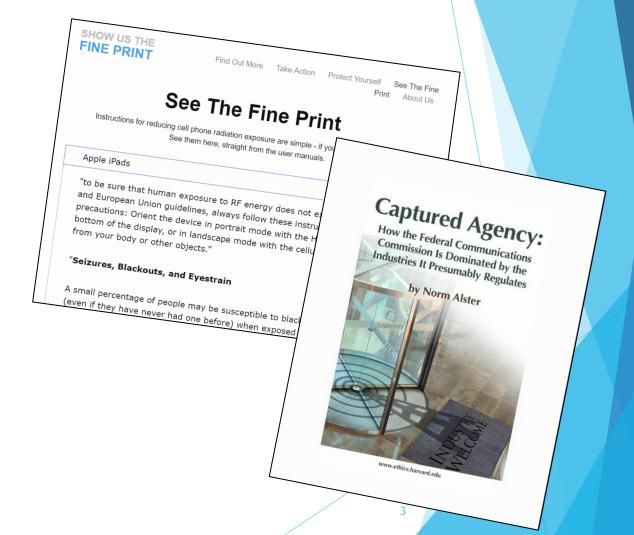
## Cece Doucette, MTPW

- ► Helped Ashland, MA become first-in-nation with Best Practices for Mobile Devices, 2014
- ► Introduced <u>legislation</u> in MA & testified in NH
- Co-founder, <u>Wireless Education</u>, educational non-profit
- ► Co-founder, <u>Massachusetts for Safe</u> <u>Technology</u>
- ► EMF Medical Conference 2019 and 2021
- ► <u>Health in Buildings Roundtable Conference</u> @ NIH



# The Legal Fine Print

- ► See the Fine Print
  - Settings
    - **▶**General
      - ► (About)
        - ► Legal & Regulatory
          - ► RF Exposure
- ► Captured Agency



#### What is 5G?

- ► 5<sup>th</sup> Generation technology
- ► Enables faster entertainment downloads, smart cities, etc.
- Uses existing 3G, 4G wavelengths to penetrate buildings
- ▶ 5G is the addition of short millimeter waves, can't go through objects; clear-cutting trees
- Industry goal: millions of small cells at curb outside bedrooms in public access way, every 2-12 houses
- ► Thousands of 5G satellites in the sky
- Never tested for safety (<u>Congressional hearing</u>)



#### Science Overview

- ▶ Dr. Martin Pall's paper, "<u>5G: Great risk for EU, U.S. and International Health! Compelling Evidence for Eight Distinct Types of Great Harm Caused by Electromagnetic Field (EMF) Exposures and the Mechanism that Causes Them"</u>
  - ► Cancer, DNA mutation, infertility, neurological damage, cell death, oxidative stress, hormone disruption, excess calcium and signaling disruption
  - Microwave sickness: headaches, nose/ear bleeds, insomnia, pain, dizziness, anger, anxiety, depression, cognitive impairment, behavior issues, learning disabilities and more
- <u>Children</u> are especially vulnerable
- ▶ WHO re-opening investigation



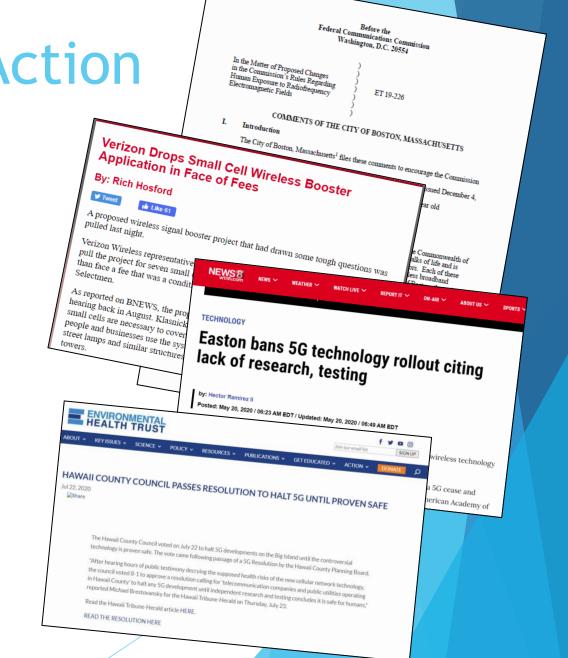
Science: Planetary Impact

- Pollinators
- Birds
- Energy consumption
  - Mineral extraction
  - Data warehouses
  - Networks
  - Personal devices
    - Streaming
    - > Send/receive
    - Charging
    - Continuous app updates



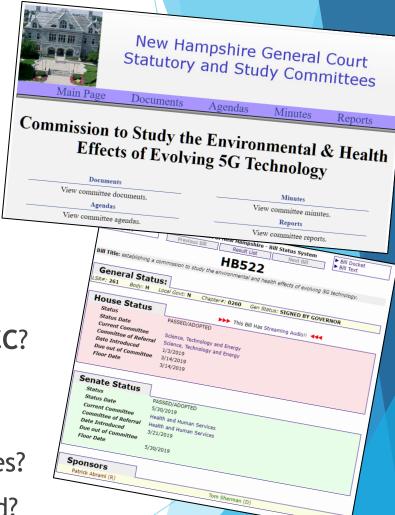
Public Servants Taking Action

- ► City of Boston files with FCC
- Shelburne, MA 1,500' setback in bylaw
- ► Burlington, MA Small Cell Policy
  - National example with 5GCrisis.com
- Easton, CT bans 5G
- ► Hawaii County bans 5G
- Bermuda temporary 5G moratorium



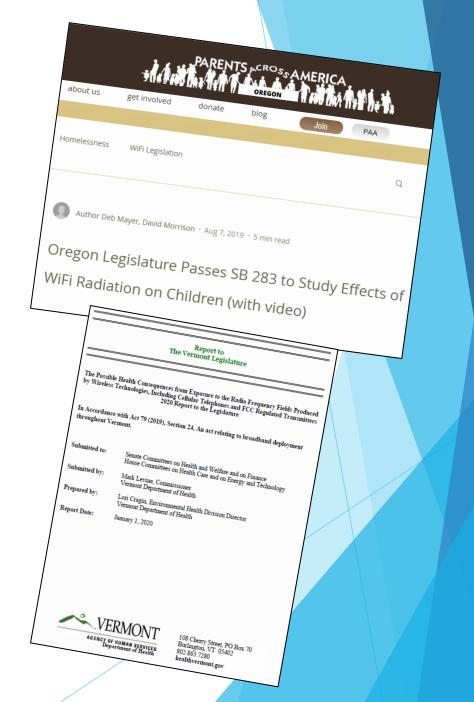
# National Policy Solutions

- NH Rep. Patrick Abrami -- very pointed questions:
  - ▶ Why has the **insurance industry** put in RF exclusions?
  - Why does legal fine print say keep distance from the body?
  - ▶ Why are 1,000s of peer-reviewed studies ignored by FCC?
  - Why do FCC exposure limits not account for the nonthermal, non-ionizing, biological effects?
  - ▶ Why are **US limits 100 times higher** than other countries?
  - ▶ Why is the **cumulative effect** of increasing EMFs ignored?
- New Hampshire law in less than a year, commission well underway



# National Policy Solutions

- Oregon Senator Anderson, retired public health nurse
  - Emergency law in less than a year
  - Public Health Authority to investigate non-industry peerreviewed scientific literature
  - Report back on impact, especially for school children
- Vermont Department of Health Report, Dartmouth investigates
- > AK, CA, HI, IL, LA, MA, MT, NY, RI



### **Schools Solutions**

- Hosted expert panel in Shrewsbury, MA: Questioning the Safety of Our Children's Exposure to Wireless Radiation in School
- New York Times: Silicon Valley execs banning screens from their children
- Maryland first public health agency to recommend hard-wiring in schools
- ► U.S. Collaborative for High Performance Schools low-EMF best practices
- Safety recommendations for study at home
- Wireless Education's <u>Schools & Families</u> on-line course



Pensacola Municipal Solutions

- Differentiate industry priorities vs. public's
  - ► <u>Reinventing Wires: The Future of</u> Landlines and Networks
- ► <u>Measure</u> vs. biological effects
- ALARA, As Low As Reasonably Achievable (CDC)
  - ► <u>Building Biology Institute levels</u>



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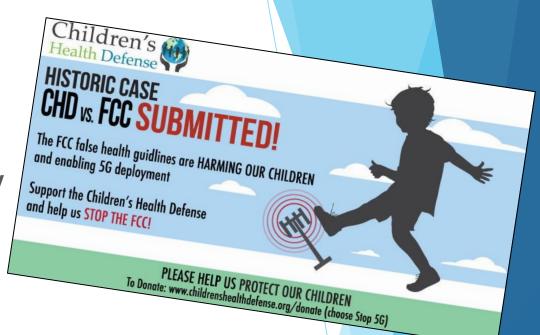
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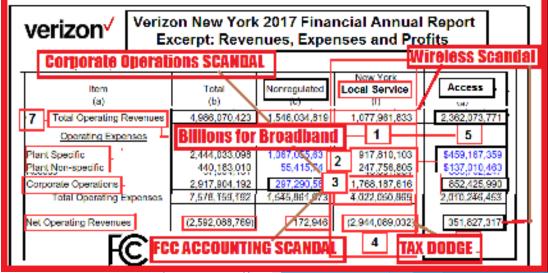
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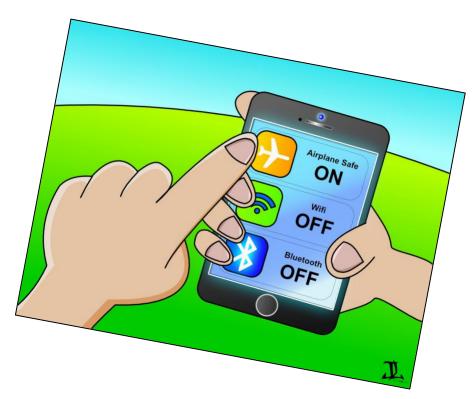
# Legal Solutions

- Supreme Court upheld right-to-know
- ► <u>Fay School</u> ADA: Court recognizes non-thermal biological effects
- Class-action lawsuit against Apple
- ► FCC being sued:
  - ► Environmental Health Trust
  - ► Children's Health Defense
  - ► IRREGULATORS v. FCC

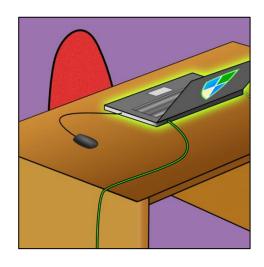




- All devices off
- Airplane mode
  - ► Cellular Off
  - ► Data Off
  - ► Wi-Fi Off
  - ► Bluetooth Off
  - ► Hotspot Off
- Second-hand radiation: people & pets



- Safe technology is easier than we think: hard-wire
  - Router
  - Shielded Ethernet cables
  - ► Ethernet switch
  - ► <u>Adapters</u>





Router

Shielded Ethernet Cable: Long @ \$30

Ethernet Switch @ \$20 Shielded Ethernet Cables: Short @ \$4-10

Cell Phone & Tablet Adapters @ \$30

- ► Turn off antennas in device Settings
- ► Measure
  - ► Borrow Acoustimeter
- Professional Help:
  <u>Building Biologists</u>







# Next Steps

- ► More <u>in-depth presentation</u>?
- Educate yourself and others
  - Watch award-winning film Generation Zapped
  - Take the Schools & Families

    Course with the non-profit

    Wireless Education
  - ►See Understanding EMFs



#### Thank You!

- Massachusetts for Safe Technology
- ► MA4SafeTech@gmail.com
- ► <u>WirelessEducation.org</u>

