



Grid Modernization and Electric Vehicles Webinar

Cece Doucette, Director

September 17, 2021

Cece Doucette, MTPW

- ▶ Helped Ashland, MA become first-in-nation with [Best Practices for Mobile Devices](#), 2014
- ▶ Introduced [legislation](#) in MA & testified in NH
- ▶ Co-founder, [Wireless Education](#), educational non-profit
- ▶ Co-founder, [Massachusetts for Safe Technology](#)
- ▶ [Co-Chair, Technology Panel, Health in Buildings Roundtable Conference @ NIH](#)
- ▶ Speaker: EMF Medical Conference [2021](#)



Best Practices for Mobile Devices

- ❖ Turn off the device when not in use.
- ❖ Turn wifi on only when needed.
- ❖ Always place the mobile device on a solid surface.
- ❖ Viewing distance should be a minimum of 12 inches from the screen.
- ❖ Specific product information guides are available by request through the IT Department.



The Legal Fine Print

▶ See the Fine Print

▶ Settings

▶ General

▶ (About)

▶ Legal & Regulatory

▶ RF Exposure

▶ Ashland & Newton library Acoustimeter Pittsfield Safe & Sound Pro II

▶ Local cable station 23-min. PSA



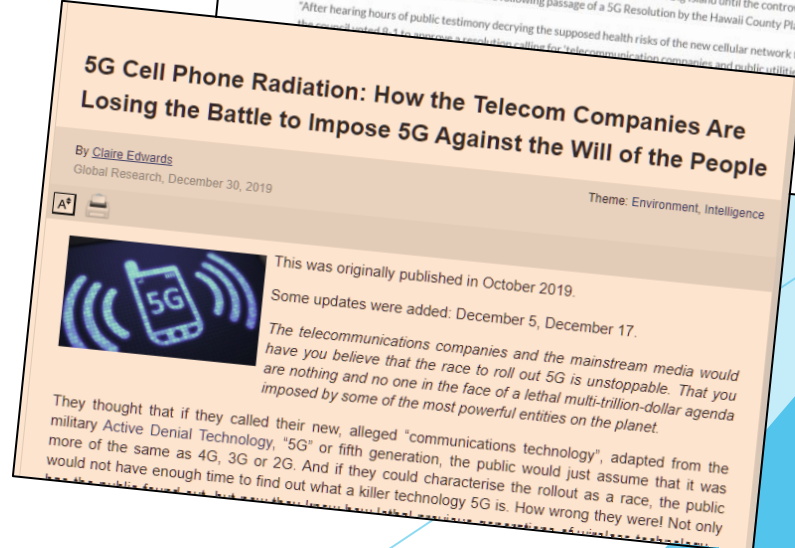
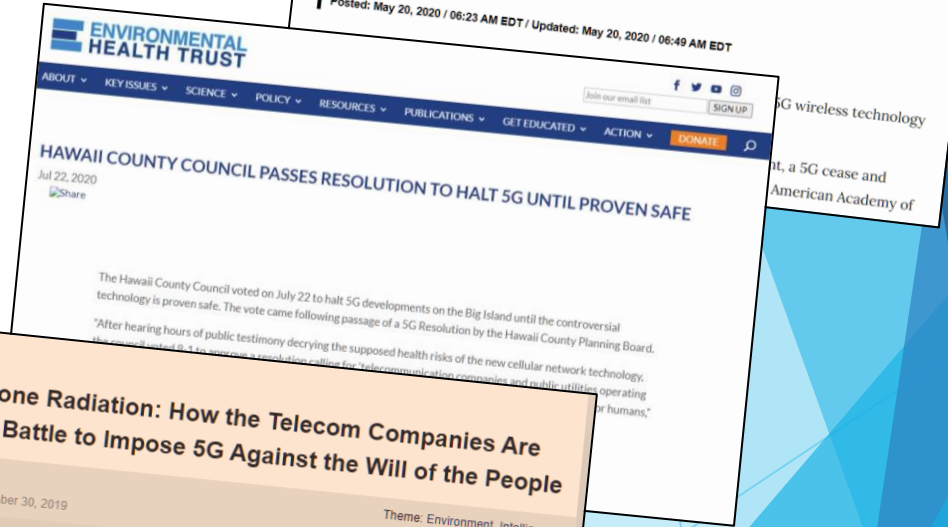
Social Norm Change

- ▶ Martin Luther King, Jr.
 - ▶ Public engages
 - ▶ Courts rule
 - ▶ Public policy enacted



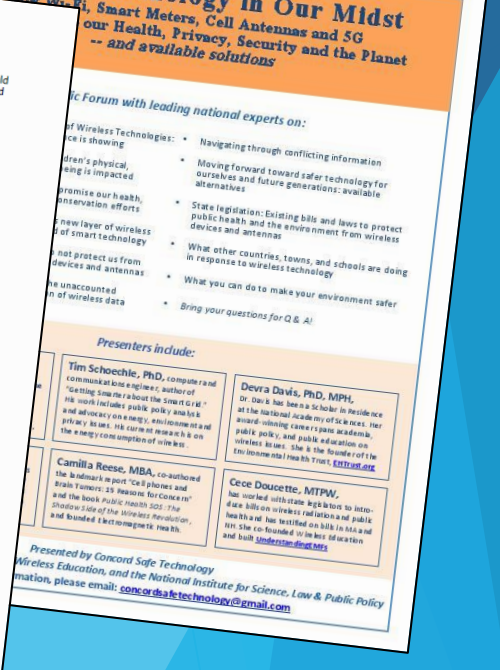
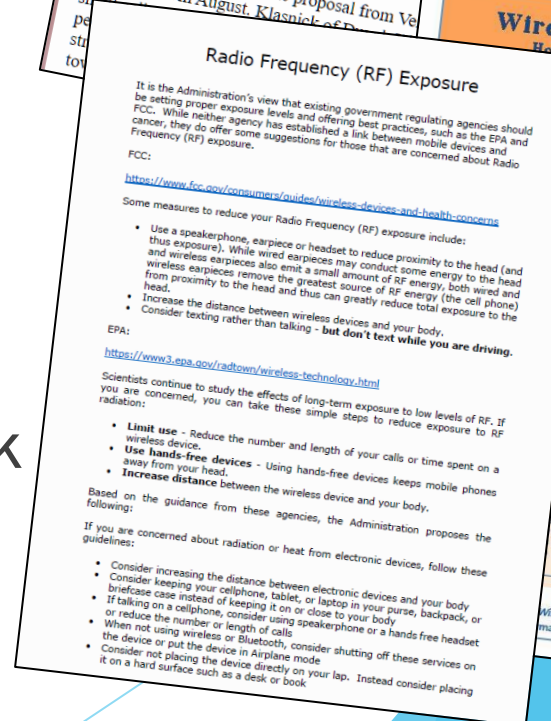
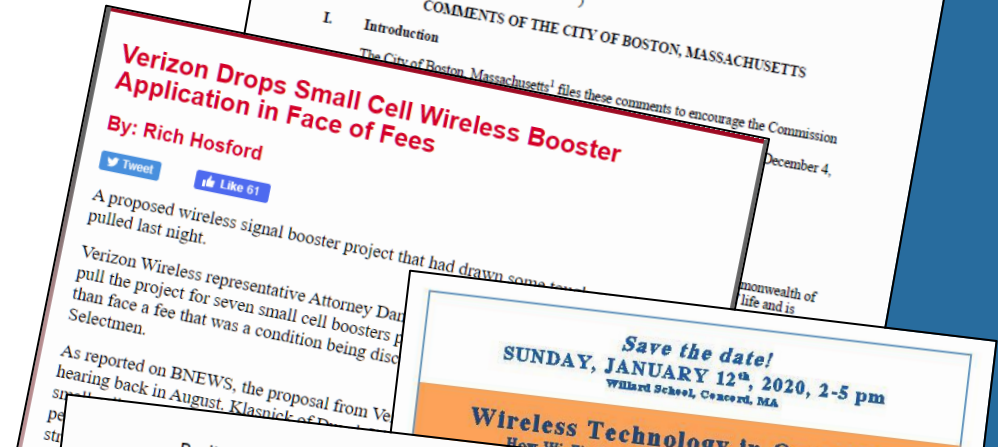
Public Servants Taking Action

- ▶ Easton, CT bans 5G
- ▶ Hawaii County bans 5G
- ▶ Bermuda temporary 5G moratorium
- ▶ Worldwide actions



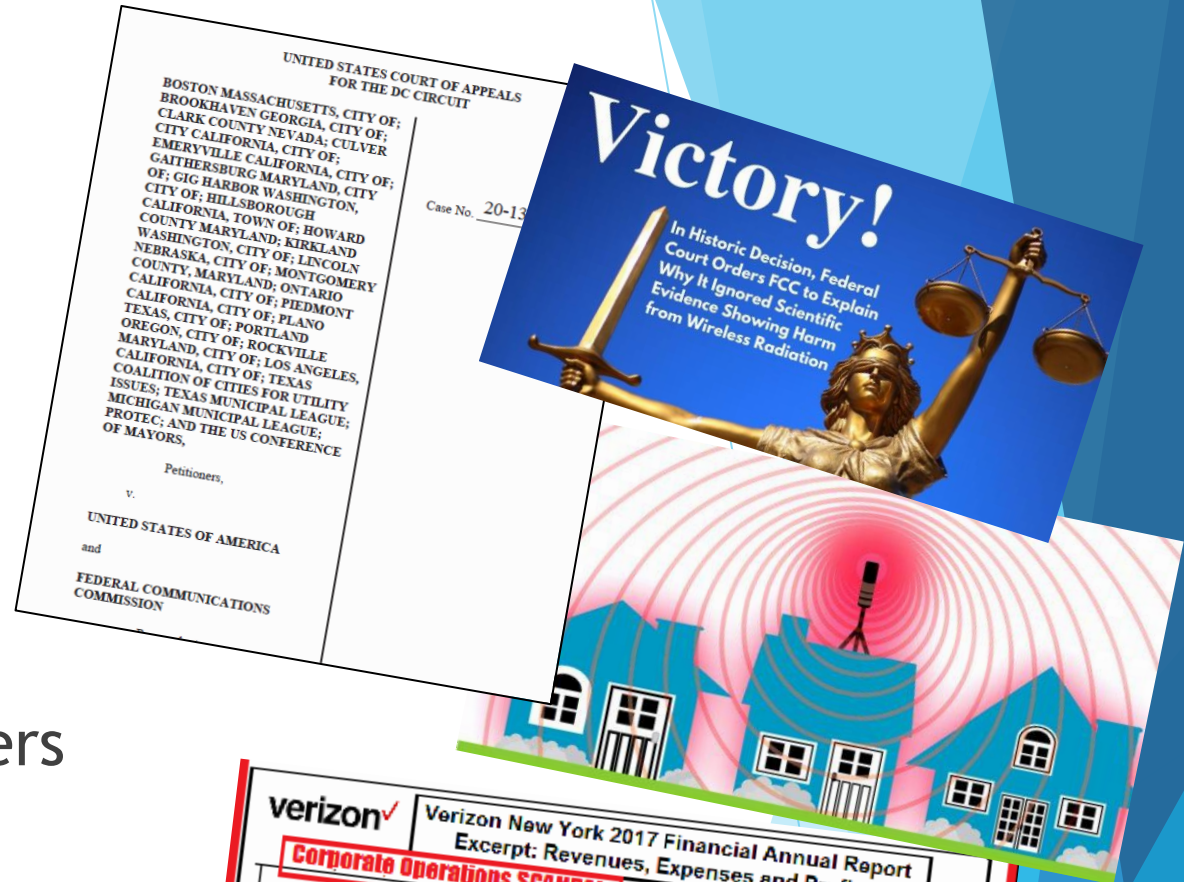
MA Towns Taking Action

- ▶ [City of Boston files with FCC](#)
- ▶ [City of Boston sues FCC](#)
- ▶ [Burlington Small Cell Policy](#)
 - ▶ National example with [5GCrisis.com](#)
 - ▶ Bedford, Lincoln, Andover adopting Burlington
- ▶ [Shrewsbury Board of Health](#)
- ▶ [Concord Expert Forum](#) 300+
- ▶ [Worcester schools RF statement](#)
- ▶ Ruskin Road Neighborhood Forum, Hyde Park with Mike Lynch, Broadband & Cable Office



Legal Solutions

- ▶ FCC sued:
 - ▶ [IRREGULATORS v. FCC](#)
 - ▶ [Environmental Health Trust](#)
 - ▶ [Children's Health Defense](#)
 - ▶ [CHD OTARD Rule](#): Rooftop cell towers
- ▶ [Fay School ADA](#): Court recognizes non-thermal biological effects
- ▶ EHS: [California Appellate Court](#) holds that Wi-Fi sickness is a disability
- ▶ Chappaquiddick, Hull, Pittsfield, Centerville lawsuits



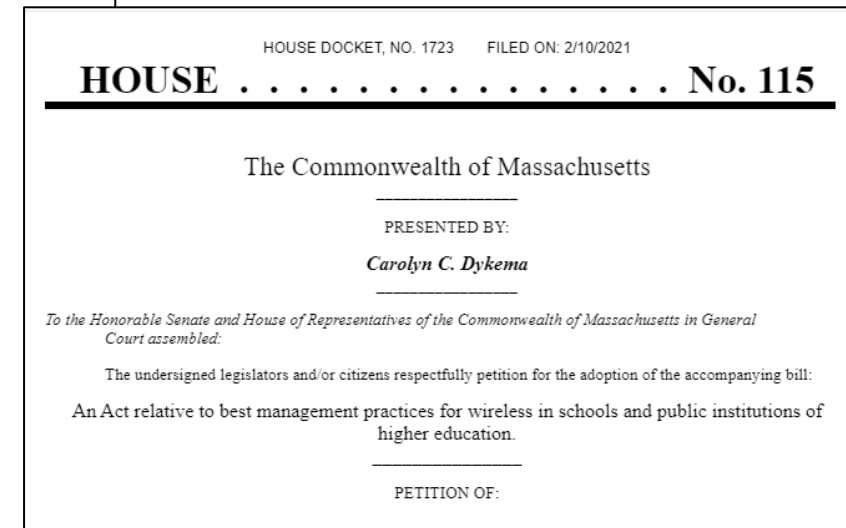
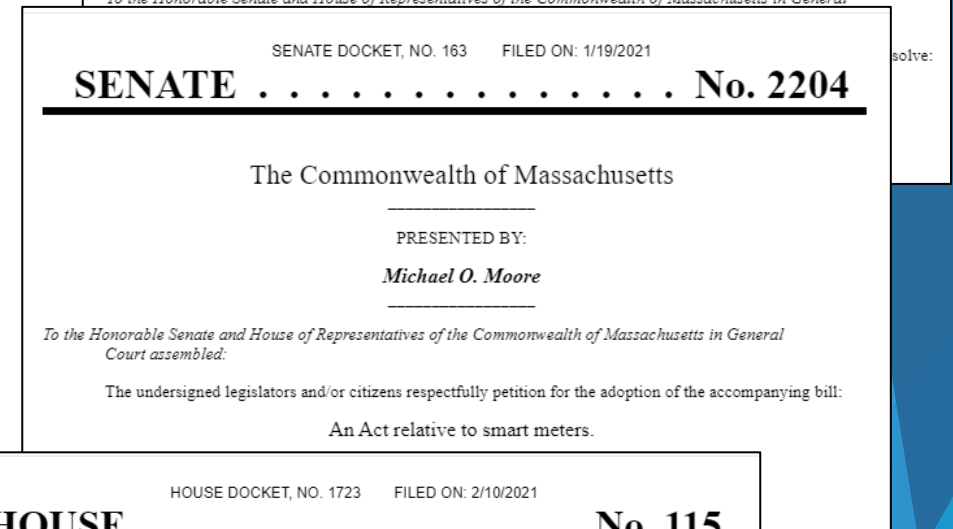
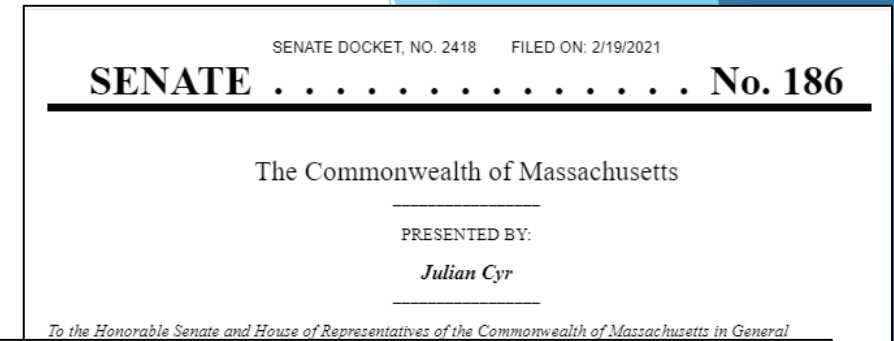
Verizon New York 2017 Financial Annual Report Excerpt: Revenues, Expenses and Profits

| Item (a) | Total (b) | Nonregulated (c) | New York Local Service (d) | Access (e) |
|----------------------------|-----------------|------------------|----------------------------|---------------|
| 7 Total Operating Revenues | 4,988,070,423 | 1,516,034,818 | 1,077,981,833 | 2,394,053,772 |
| Operating Expenses | | | | |
| Plant Specific | 2,444,833,098 | 1,087,085,833 | 917,810,703 | \$459,187,359 |
| Plant Non-specific | 440,183,019 | 55,415,741 | 247,756,805 | \$137,010,493 |
| Corporate Operations | 2,917,804,192 | 297,290,536 | 1,768,187,818 | \$52,425,990 |
| Total Operating Expenses | 7,578,159,182 | 1,645,881,873 | 4,022,050,889 | 2,010,246,463 |
| Net Operating Revenues | (2,590,088,759) | (139,847,055) | (1,944,069,056) | 351,627,317 |

Annotations: Corporate Operations SCANDAL, Wireless Scandal, Billions for Broadband, FCC ACCOUNTING SCANDAL, TAX DODGE.

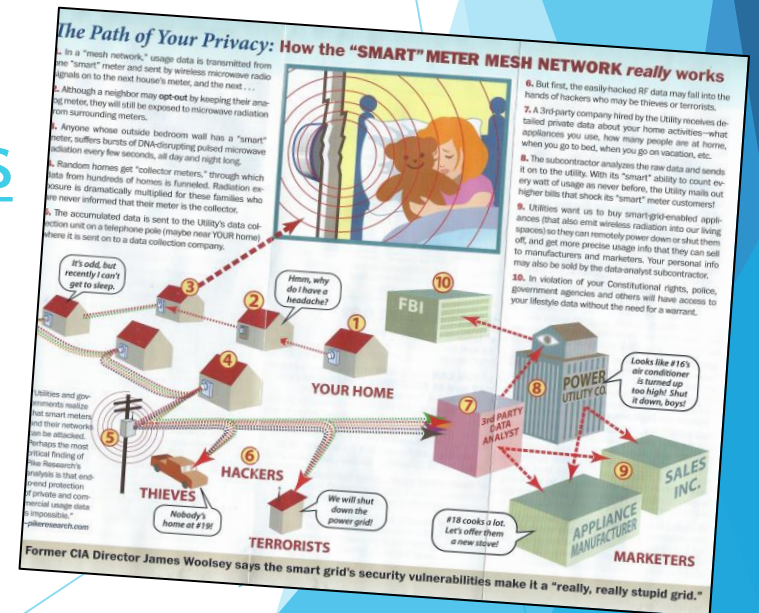
MA Policy Solutions

- ▶ 11 Sponsored bills this session
 - ▶ Senator Julian Cyr's S. 186 Commission bill written by Consumer Protection Committee
 - ▶ Senator Michael Moore's S. 2204 to opt out of utility smart meters
 - ▶ Rep. Dykema's H. 115 to address wi-fi in schools



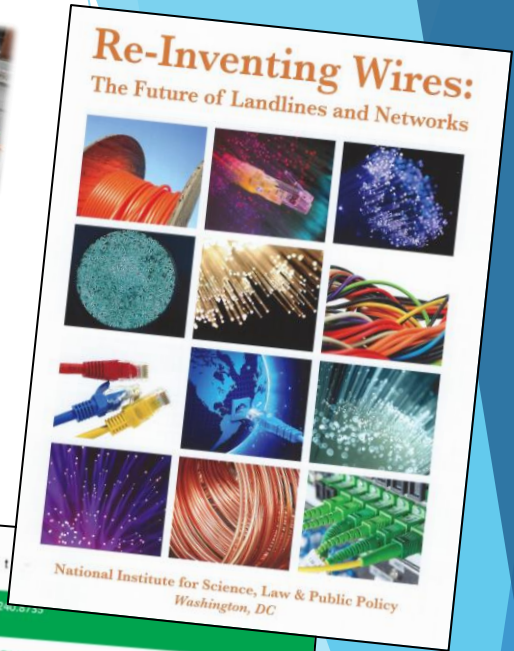
Utility “Smart” Meters

- ▶ Maryland: largest U.S. water district [halted AMI smart meters](#) in December
- ▶ Pennsylvania: Supreme Court case (consent and effective accommodation)
- ▶ Vermont already offers [no-fee opt-out](#)
- ▶ ENMAX: opt-out customers [send in readings](#)
- ▶ Analog meters [readily available](#)
- ▶ Environmental justice/[Worcester](#)
- ▶ [TedX Talk](#): Jeromy Johnson, engineer



Safe Tech Solutions: Municipal Level

- ▶ Investigate:
 - ▶ Resources for [Municipal Leaders](#)
- ▶ Differentiate industry priorities vs. public's
 - ▶ [Reinventing Wires: The Future of Landlines and Networks](#)
- ▶ [Measure](#) vs. [biological effects](#)
- ▶ [ALARA](#), As Low As Reasonably Achievable (CDC)

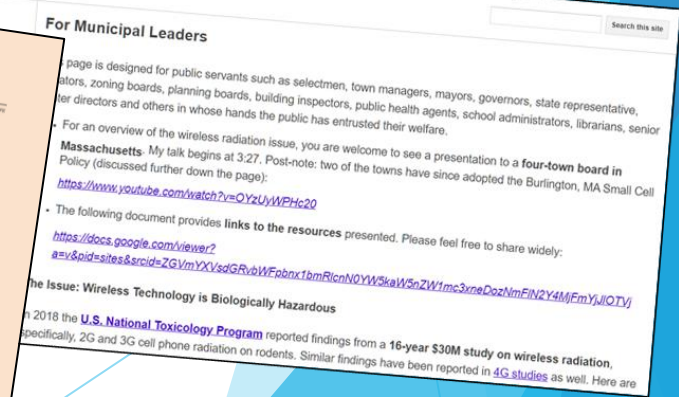
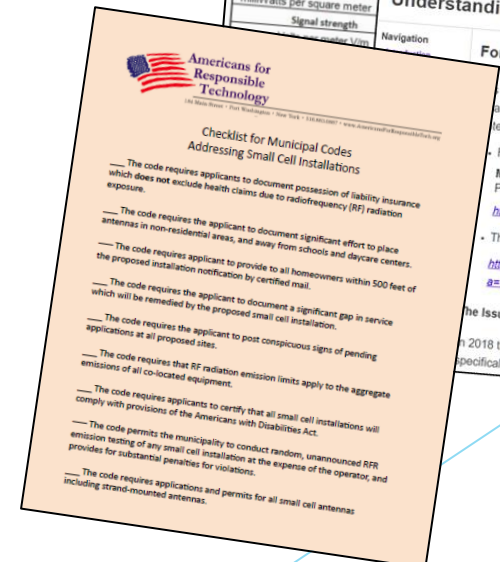


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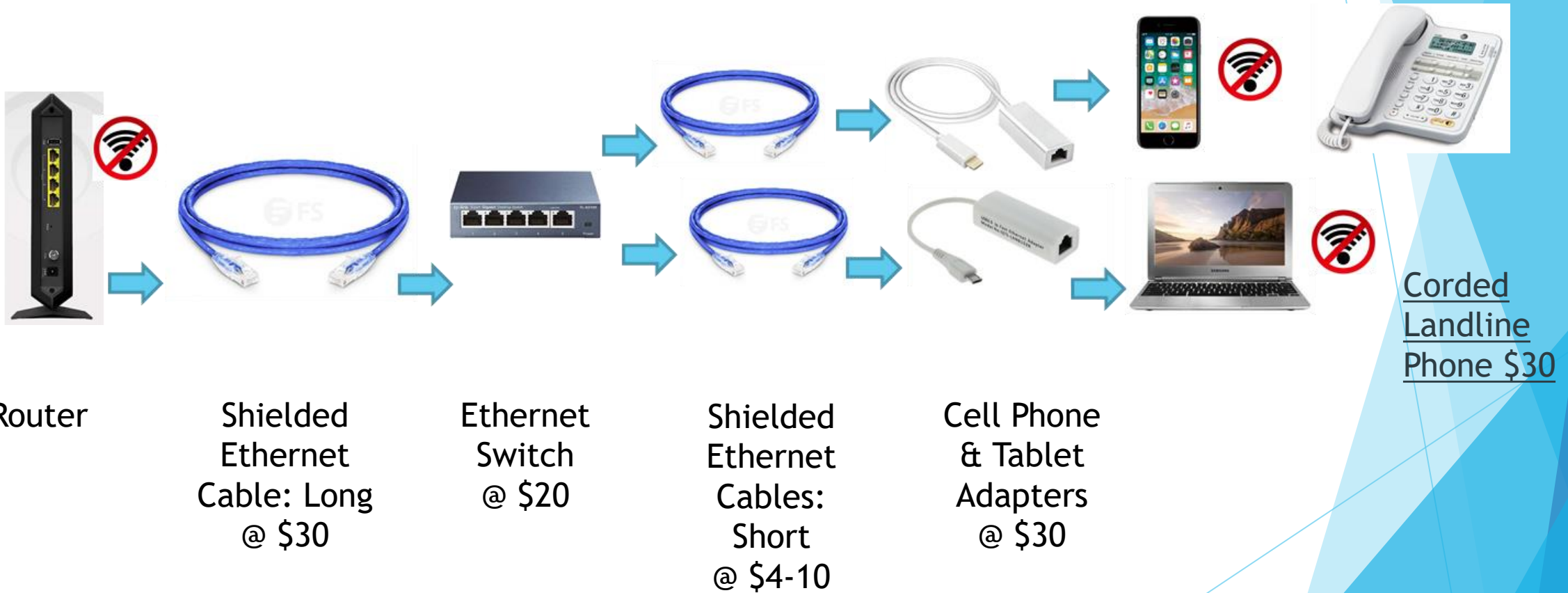
RADIOFREQUENCY / MICROWAVE EXPOSURE GUIDELINES
(High Frequency Electromagnetic Waves)

1) BUILDING BIOLOGY PRECAUTIONARY GUIDELINES (SBM-2015) For Sleeping Areas

| Power density | No Concern | Slight Concern | Severe Concern | Extreme Concern |
|-------------------------------------|------------|----------------|----------------|-----------------|
| microWatts per square meter (μW/m²) | < 0.1 | 0.1 - 10 | 10 - 1000 | > 1000 |
| microWatts per square cm | | | | |
| milliWatts per square meter | | | | |
| Signal strength | | | | |



What Safe Technology Looks Like



Thank You!

- ▶ [Massachusetts for Safe Technology](#)
- ▶ MA4SafeTech@gmail.com
- ▶ WirelessEducation.org

