# **5G & CELL TOWERS**



#### **HAWAII**

 Hawai'i County Council HI passed a Resolution to halt 5G

Numerous CA cities restrict cell

setbacks and strict ordinances.

including: Los Altos, Petaluma,

Barbara, Nevada City, Suisin,

Sebastopol, San Rafael, Ross

Valley, Encinitas, Fairfax, Palo

antennas near homes with

Mill Valley, Malibu, Santa

Calabasas, San Clemente,

Alto, Walnut City and San

Westlake, Sonoma,

**Diego County.** 

**CALIFORNIA** 

#### **NEW HAMPSHIRE**

- Keene NH Resolution to halt 5G
- Bedford NH 750 ft. setback

# **WISCONSIN**

• Greendale WI passed Resolution R2018-20 referring to the FCC's actions stripping local authority as "an unprecedented attack on local control."

# **New York**

 Copake NY: Pre/post testing by RF engineer. No repeater closer than 200 ft to dwelling unit. No tower closer than 1500 ft to residence/church.

park or athletic fields and 600 ft from homes.

### **ILLINOIS**

Oak Brook IL
 Resolution 2020 ITGL-R-1891 calls
 for local control re
 small cels.

#### **MAINE**

**MASSACHUSETTS** 

 Bar Harbor ME 1,500 feet setback - cell towers near schools & daycare

Randolph MA 500 ft setback. Yearly RFR measurements.

**Lunenburg and Great Barrington MA** 500 ft setback **Stockbridge MA** prohibits towers 1000 feet from schools,

## CONNECTICUT

- Easton CN City Council passed a 5G cease and desist resolution
- Warren, Connecticut Policy defines
  "adequate coverage" and "adequate
  capacity." and was designed "to locate
  towers and/or antennas in a manner
  which protects property values, as well as
  the general safety, health, welfare and
  quality of life of the citizens." Coverage is
  considered to be "adequate" within that
  area surrounding a Base Station where
  the predicted or measured median field
  strength of the transmitted signal is such
  that the majority of the time, transceivers
  properly installed and operated will be
  able to communicate with the base
  station.

# As an example of CA ordinances, the Los Altos City ordinance: • prohibits installation of small

- prohibits installation of small cells on public utility easements in residential
- 500 foot setbacks for multifamily residences in commercial
- 500 ft school setback
- 1500 ft separation between nodes

#### **San Diego County**

 "SCWs shall not be located within 1,000 feet of schools, child care centers, hospitals, or churches."

#### **Palo Alto**

• 1500 feet school setback.

# INDIANA

 Carmel City IN Council resolution asks state lawmakers, FCC and Congress to limit 5G until health effects fully understood.

# OHIO

 Mason OH Zoning Ordinance No small cells in residential areas or within 100 feet of residential prop; 2000 feet apart (unless colocated); equipment should be underground or wholly contained so not visible

#### **TENNESSEE**

• Farragut City Resolution to halt 5G

# **OKLAHOMA**

• Sallisaw OK 1,500 feet setback to residence.

#### **NEW JERSEY**

- Little Silver, NJ Carriers should provide notice to property owners within 500 feet of proposed facility.
- City of Jersey City, NJ Resolution 20-362 calls for local controls re small cells.

# **FLORIDA**

- Coconut Creek FL Commission adopted a Resolution on 5G and radiofrequency radiation.
- Hallandale Beach FL Resolution urges federal government to initiate independent health studies on 5G.
- Lavallette FL Resolution 2021-58: Applicant shall obtain certification from the Federal
  Aviation Administration and the United States Dept. of Defense demonstrating that the
  installation does not emit RF frequencies which may interfere with avionics of any approaching
  civil or military aircraft." The City also requires the applicant to provide RF meters used by their
  technicians and train City employees. Verizon cannot install more than a total of 20 "small cell"
  nodes throughout the Borough to support 5G.

#### Links to ordinances at ehtrust.org

#### **WORLDWIDE POLICY**

# **5G & CELL TOWERS**



# **EUROPE**

• Resolutions to halt 5G in numerous European cities including Trafford, UK, Lille, France, Ormidia, Cyprus, Councils in Ireland and more.



• 600 municipalities - resolutions to halt 5G.

# SWITZERLAND 1

· Parliament refused to weaken radio frequency radiation (RFR) limits after 5G Report.

# FRANCE

- 60 mayors/officials petition to halt 5G.
- · Federal health agency investigating 5G.

# RUSSIA =

· No cell towers near schools.

# 

· Cell tower setback 100m to schools/homes.

# **NETHERLANDS**

Health Council recommends against 26 GHz for 5G due to lack of safety data.

## **YPRUS**



Cyprus National Committee on Environment and Child Health 5G Position Paper calls for 5G-free zones.

# **AUSTRALIA**

· New South Wales Dept. of Education policy objects to towers on/near schools.



# INDIA

- RFR limit tightened to 1/10 of CNIRP limits after Inter-Ministerial Report on impacts to wildlife.
- Mumbai, Zilla Parishad & Karnataka: Cell towers prohibited/removed near schools, colleges, orphanages and old age homes.
- Brihanmumbai Municipal: Towers banned at parks/playgrounds.
- State of Rajasthan: Supreme Court of India upheld removal of "hazardous to life" cell towers from vicinity of schools, hospitals/playgrounds.

# BULGARIA



**CANADA** 



Toronto Cell Tower "Prudent Avoidance Policy"

- · Resolutions to halt 5G passed in Hawaii County HI. Farragut TN. Keene NH & Easton CT.
- Numerous cities restrict cell antennas near homes including: Los Altos, Petaluma, Mill Valley, Malibu and San Diego County CA, Bedford NH and more.
- New Hampshire 5G Commission's 15 Recommendations include increasing transparency, reduce public exposure, research health effects and protect wildlife and trees.
- Oregon investigating health effects of wireless.
- · Los Angeles CA Public Schools: RFR Limit 10,000x less than FCC.
- Palo Alto, Los Angeles LA Schools Greenbelt MD, Bar Harbor ME: No school cell towers.

# **LITHUANIA**

· Cell antennas prohibited on kindergartens and hospitals.

# CHILE

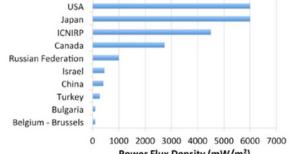
 Cell antennas prohibited in "sensitive areas" - kindergartens, hospitals and nursing homes.

# BANGLADESH



· No cell towers on homes, schools, colleges, playing fields, populated areas and heritage areas.

# **Numerous Countries Have Cell Tower Network RFR Exposure Limits** Far More Stringent Than ICNIRP/FCC (USA):



China Belarus Turkey Greece Russia Serbia India Italy Slovenia Montenegro Liechtenstein India **Tajikistan** Israel Bulgaria Chile Kazakhstan Uzbekistan Switzerland Brussels, Belgium Kyrgyzstan

# **These Governments Measure & Publish RFR Levels Online**

France Spain Austria Greece Turkey India Israel Gibraltar

Switzerland Bulgaria Tunisia Brazil Malta Bahrain Hungary Monaco French Polynesia

Power Flux Density ( $mW/m^2$ ) RFR power flux density exposure limits at 900 MHz (Clegg 2020)

**Brussels Belgium**