

# Boise Blueprint

## Hardwired Broadband (DSL, Cable, & Fiber) vs Wireless Broadband (4G & 5G)

[Link to Boise Blueprint](#)

1. Goal ES1: Protect and enhance air quality and minimize health hazards associated with air pollution. - RF radiation is one of the worst types of pollution. You can't see it or hear it as it floats through the air, but it sickens and kills you, the bees and our trees. This is a scientifically proven fact that is only debated by paid employees of the telecommunications industry or people of ignorance. [See State of New Hampshire 5G Final Report.](#) Wireless 5G broadband networks also require a tremendous amount of electricity to operate 24/7. Power that is generated from fossil fuels that have a high carbon footprint and reduce our air quality and add to global warming. The best way for Boise to accomplish this goal would be the following: Encourage a superior energy efficient "Green" hardwired broadband (DSL, Cable, & Fiber) network that will add zero pollution to the air in Boise.
2. Goal Es6: Promote a healthy urban forest to enhance the city's environment, air quality and appearance. It is scientifically proven that high powered wireless RF radiation kills trees and the bees. Installing ugly high power antennas every 200 to 300 feet up and down our streets next to the mature tree canopies will not enhance the City of Boise's environment. The best way for Boise to accomplish this goal would be the following: Encourage a safe, secure, and superior hardwired broadband (DSL, Cable, & Fiber) network that does not kill our trees. [See State of New Hampshire 5G Final Report.](#)

### 3. Goal ES8.1: NOISE MONITORING

(a) Monitor and update available data on existing and projected ambient and stationary noise levels.

(b) Conduct a noise study to determine noise contours in 5-decibel (A-Weighted Sound Level)\* increments along arterials and highways, railroad tracks, and around other noise generators.

### ES8.4: NOISE MITIGATION

Require mitigation measures for development of "noise-sensitive" land uses (such as single-family residences, hospitals, and schools) where noise studies show existing or future noise levels exceed an Ldn\* of 60 dB(A) exterior and an Ldn of 45 dB(A) interior. This policy is not intended to restrict multi-level or high-rise construction that cannot be protected with standard noise mitigation measures.

### ES8.5: STREET IMPROVEMENTS

(a) Assess potential noise impacts on adjacent "noise-sensitive" land uses when expanding arterial and collector streets.

(b) Require noise abatement when impacts are projected to exceed standards.

This is a great example of proper regulation. The city should follow this example and set power limits on dangerous RF radiation from wireless antennas. The City should adopt similar power regulations in this wireless ordinance . [See State of New Hampshire 5G Final Report.](#)

#### 4. ES10.1: EXISTING MUNICIPAL FACILITIES

(a) Audit existing municipal facilities to establish a baseline of current energy and water use and identify opportunities for reductions. The mass rollout of 5G small cell and large 5G macro antennas will require lots of electrical energy to operate 24/7. The wireless network will rely on a hardwired Fiber Optic backbone for connectivity. This is a redundant and power wasting design. A much superior master planed design, that would use a fraction of the power would be the following: Encourages wireless towers to be located 500 m outside of densely populated areas and encouraging a safe hardwired DSL, cable, fiber optic network in town. This would require a fraction of antennas, resulting in less energy used, help Boise in meeting this ambitious goal of reduced its power consumption.

#### 5. Goal ES13: Promote community-based and local food production.

##### ES13.1: LOCAL FOOD PRODUCTION

Encourage public and private schools to allow community gardens and demonstration projects on school property. Killing the bees, trees and subjecting gardeners to high amounts of RF radiation is not a good way to promote local food production. [See State of New Hampshire 5G Final Report.](#) This goal could be accomplished by encouraging a hardwired broadband (DSL, Cable & Fiber) network that will not kill the bees, trees, farmers, or gardeners. Possibly more people would choose to garden if it took two minutes rather than 30 seconds to download a movie to their phone.

6. Goal ES15: Expand public education programs to promote sustainable practices in the community. Exposing our children “tomorrow's leaders” to high-power radiation from 5G cell antennas and Wifi in our public schools is scientifically proven to cause harm would not be a sustainable practice. A much superior way for Boise to meet this goal would be to encourage a sustainable hardwired broadband (DSL, Cable, & Fiber) network that will not kill off our children who are tomorrows leaders. [See State of New Hampshire 5G Final Report.](#)

7. Goal NAC5: Give all citizens the opportunity to participate in shaping the future of their neighborhoods. The large majority of Boise citizens do not want high power 5G deadly microwave antennas in front of their house cooking their families. To better meet this goal Boise should add a Wireless vs. Hardwired broadband structure to choice to the Novembers ballot. Let the citizens decide on their broadband network, not Verizon.

#### 8. NAC10.3: PUBLIC FACILITIES

1. Require public facilities to be consistent with the Community Design Principles and other policies contained in this Comprehensive Plan so that they serve as a positive design example. Attaching ugly high-power antennas on top of every phone pole, light pole and macro towers that have been scientifically proven as harmful to humans is not the best example of good design. Boise could best meet this goal by encouraging a safe, secure, underground hardwired broadband (DSL, Cable, & Fiber) network.
2. CC7.2: DESIGN FOR PEDESTRIAN COMFORT -
3. (c) To protect the most vulnerable street users, maximize pedestrian safety and comfort in the design of pedestrian crossings. Myself and roughly 4% of the world's population suffer from electromagnetic sensitivity or microwave poisoning in some form. That 4% of the population will be excruciatingly uncomfortable in our public right of ways and homes if they are subjected to high powered microwave radiation 24/7. A superior way for Boise to meet this goal would be the following: Encourage a hardwired broadband (DSL, Cable & Fiber) infrastructure that will not be unnoticed and comfortable to 4% of the population. Set precautionary power limits on all RF antennas that are located in close proximity to people. Increase setbacks from RF antennas to Residential and School Zones to 500 m.

#### 9. CEA1.4: ACCESS

1. Expand access to the arts for persons with limited income or physical disability through activities such as grant programs, website development, and public outreach efforts. Electromagnetic Sensitivity or Radiation Poisoning is an illness recognized and afforded protection by the (ADA) American Disability Act. The best way for the City of Boise to achieve this goal would be the following: Do not discriminate against Disabled Americans by allowing high power RF antennas to create a barrier of equal access to public locations and culture opportunities. Encourage a Hardwired Broadband (DSL, Cable & Fiber) infrastructure that is friendly to physically disabled persons like myself.
2. EC5.3: ENVIRONMENTAL STANDARDS
3. Take a proactive approach to environmental quality by anticipating future standards and designing treatment facilities and other infrastructure to fully meet those requirements. The City of Boise could best achieve this goal by looking at the following documents: *(CHD vs FCC)* The FCC is a captured agency of the telecommunications industry and has failed to update their safety guidelines. Make every effort possible to protect its citizens and follow the suggestions made to the state of New Hampshire. *See State of New Hampshire 5G Final Report.* A hardwired broadband (DSL, Cable & Fiber) network is the most proactive environmentally friendly way to proceed.
4. EC6.1: TARGET AND PROMOTE SUSTAINABLE INDUSTRIES

5. Work with the city's business partners to attract environmentally conscious "knowledge-based" companies that produce high-quality educational, scientific, or natural resource-based products and services that advocate sustainable industry principles. Verizons proposed 5G wireless network plans for the City of Boise will injure and kill families, bees and the trees. Thus, I would not consider Verizon Wireless to be environmentally conscious. Boise should do business with companies that care about our community. Boise should work with companies that install and run hardwired fiber optics.

10. #7 A Safe Healthy, and Caring Community -

1. **Goal SHCC8: Minimize risk to life and health from exposure to hazardous materials.** \_The superior way for the City of Boise to meet this goal would be the following:

1. Prohibit hazardous high powered RF antennas in residential, school, and other zoning areas that are within close proximity to humans.
2. Encourage a safe hardwired advanced broadband (DSL, Cable, & Fiber) network for zones with hight population densities.
3. Increase small and large cell towers setbacks to 500m form populated areas.
4. Require all small and large wireless installers to carry liability insurance that covers injuries from hazardous microwave pollution. Thus passing the "safety stick" to Insurance companies. Insurance companies will proactively motivate the wireless industry to design and implement an infrastructure with power limits and setback that are safe for humans, bees and the trees.
5. Encourage our public schools to move away from Wi-Fi networks and seek safer new optical networking solutions such as (*LiFi*) that offer faster, healthier, and more secure connections than RF-based WiFi solutions.
6. *See State of New Hampshire 5G Final Report.*

11. I request that you implement language that has been submitted by Idahoans for Safe Technology into the final Wireless Zoning Ordinace. Thank you!

Sincerely,

Hank Allen

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