

TREES AND CELL TOWERS

Impacts of Wireless Radiation, 5G & 4G “Small Cells”

Trees Keep The Environment Healthy

CLEAN AIR

Leaves filter out air pollution. Urban street trees are associated with lower rates of childhood asthma.

WILDLIFE HABITAT

Trees provide critical habitat for animals. Fruits and nuts are essential foods.

WATER QUALITY

Tree roots intercept stormwater and reduce soil and nutrient loss into local waterways,

CLIMATE

Trees reduce levels of climate changing carbon in the atmosphere by storing carbon in new growth every year.

REDUCE HEAT

Trees shade and cool city surfaces, homes and buildings lowering cooling cost in the summer and saving energy.

Cell Tower Impacts to Trees

TREES CUT

Trees are sometimes removed to clear land for cellular equipment, site access roads, and/or to reduce inference of wireless signals.

OVER-PRUNING

Tree limbs can be aggressively trimmed. Pruning over 25% impacts survival.

RADIATION

A study following over 100 trees found damage to tree canopy on the side facing transmitting antennas. Majority of studies show impacts to plants.

ROOT DISRUPTION

Digging inside critical root zone can compact soil, crush and expose roots. Altered water saturation in soil from construction can disrupt health.

LACK OF OVERSIGHT

Companies often build out wireless sites with no (or minimal) oversight regarding tree and environmental impacts.

PROTECTIONS ARE NEEDED

Federal laws are outdated and inadequate. Environmental accountability is needed. Local communities can protect trees by enacting strong local rules that protect trees.

