

# TOP 5G FACTS: ENVIRONMENT & WILDLIFE

Each 5G mast requires approximately 3 x more power than a 4G mast (as much as 73 typical homes). (1, 2)



With 5G added, electricity usage from telecommunications could create up to 23% of global greenhouse gas emissions by 2030; (3) power demand would be the equivalent of 36 nuclear reactors or 7800 massive offshore wind farms worldwide. (4)

The France, Spain and California Green Parties, the France Climate Change Council, and Greenpeace East Asia have all warned of the power-hungry nature of 5G. (5, 6)



Research shows that manmade RF radiation (RFR) may be seriously harmful to wildlife, including bees. (7, 8, 9, 10)  
The British Ecological Society has identified RFR as a top emerging issue affecting natural diversity and conservation. (11)

'Smart' 5G devices and automated cars require extensive mining of heavy metals such as lithium, causing environmental damage, as well as silicon microprocessors which cause toxic waste.



5G deployment will require tens of thousands of satellites, with chemical reactions from rocket exhaust and greatly increased microwave levels in our atmosphere.

5G will entail densely-placed masts and cells to create a 'blanket' of 'electrosmog', particularly in urban environments.

5G may require the mass felling of trees, since leaves block the signal from some frequencies used for 5G.



Telecommunications companies claim that 5G could be used to develop solutions to environmental problems, but have been accused by legal firm Client Earth and others of 'greenwashing.' (12, 13)



Physicians for Safe Technology have stated that wireless radiation is being increasingly recognised as an environmental pollutant. (14)

Experts have warned that RFR encourages drug resistance in microbes. (15)

NB: 5G will enable mass surveillance and data collection; experts say 5G is unnecessary for technological progress and is not consumer-driven. (16, 17)