

Dear Federal Communications Commission:

Based on scientific studies, and my own first-hand experiences, I am very concerned about the effects of wireless radiation on human health as well as the health of trees and wildlife.

I live about 300 meters from a water tower in Madison, Wisconsin, that several cell companies and the Madison Water Utility use to house various radiofrequency-emitting devices needed to operate their systems. The water tower is in a county park that is also a conservancy with many large trees. Many bird species live there year-round, and many more live and nest there seasonally while migrating north or south in the spring and fall.

My family has experienced many health problems since moving here. Our symptoms, which began right after we moved to this home, parallel many of those documented in scientific studies of people living near cell towers (headache, sleep disturbances, inability to concentrate, memory loss, tinnitus, etc). There are also some studies showing increased risks of cancer near cell towers, which are supported by many studies showing that radiofrequency radiation can cause cellular changes that can lead to cancer. Having read these studies, we are also concerned about heightened risk of cancer living near this tower. See attached papers.

I am also very concerned about the effects of the radiofrequency radiation from this tower on trees and wildlife in the area. As the level of radiofrequency from the tower has increased in the last ten years, especially after 4G was implemented, many large trees around the tower have become ill and died, as have many trees on the side of our property nearest the tower. While there may be several causes of these tree deaths, I have read several studies on radiofrequency effects on trees and strongly suspect that increasing RF may be a contributing factor in weakening trees near the tower. Fewer birds are nesting in the area, and those that do seem to be having less success producing viable young. Scientific studies have found these effects elsewhere in the world. See attached papers.

The implementation of more powerful 5G wireless will undoubtedly increase the levels of radiation from this tower--as well as others all around the city-- and therefore will increase the health risks to our family, other people living near the tower, and to the trees and wildlife in the conservancy around the tower (as well as all over Madison).

This rapid increase in radiofrequency radiation in recent years from wireless technologies is already essentially a huge experiment on humans and wildlife all around the world. I do not think 5G should be implemented at all, since this will further ramp up wireless radiation levels everywhere adding to the existing levels. But if it is implemented it should not be done without at least fully investigating and addressing the human and ecological risks first, sharing these risks with the public, and not implementing 5G systems where the risks outweigh the benefits.

In this light, please require a NEPA review and Environmental Impact Statement (EIS, with full review of environmental effects as well as human health and safety risks) associated with the

implementation of 5G.

Maria Powell, PhD
1311 Lake View Ave.
Madison, WI 53704
608-240-1485
mariapowell@mejo.us