



"...meeting community needs...enhancing quality of life."

CERTIFICATION OF CLERK

I, **KAMI LYNCH**, the duly qualified City Clerk of the City of Appleton, Wisconsin, do hereby certify that the attached is a true and compared copy of *Resolution #16-R-19 Regarding Small Cell Wireless Equipment*, that was adopted by the Common Council of the City of Appleton, Outagamie/Calumet/Winnebago Counties, at a regular meeting held on November 6, 2019.

Dated this 8th day of November, 2019, City of Appleton, Wisconsin.

Kami Lynch
City Clerk



Resolution #16-R-19
Small Cell Wireless Equipment

Date: October 16, 2019

Submitted By: Alderperson Schultz, District 9 & Alderperson Spears, District 12

Referred To: Finance Committee

WHEREAS, small cell wireless equipment is designed to boost cellular service from the existing wireless carriers and will enable those carriers to implement 5G technology by placing these installations on existing streetlights and utility poles; and

WHEREAS, concerns have been raised about the health risks of 5G technology including small cell installations. Studies have linked low-level wireless radio frequency radiation exposures to adverse biological effects including DNA single and double strand breaks, oxidative damage, disruption of cell metabolism, increased blood brain barrier permeability, melatonin reduction disruption to brain glucose metabolism and generation of stress proteins. This list warrants additional scientific studies before residents are put at risk; and

WHEREAS, the health hazards of 5G technology have been intensely debated at the federal level before Congress and the Federal Communications Commission (FCC). There does not appear to be any widely accepted definitive scientific study that proves one way or the other whether small cell installations — emitting extremely high or “millimeter wave” frequencies above 24 GHz — may have an adverse health impact, though in 2011 the World Health Organization classified radio frequency radiation as a possible 2B carcinogen; and

WHEREAS, the only applicable FCC standards for radio-frequency radiation emissions were set in 1996 and did not consider the use of modern wireless equipment like small cells that will be located close to residences. Mere compliance with the FCC’s outdated standards does not assure safety; and

WHEREAS, the State of Wisconsin has preempted local governments from regulating the installation of small cells as it relates to their potential health effects or proximity to residential areas; and

WHEREAS, the FCC adopted regulations in 2018 that are intended to facilitate the installation of 5G technology “underscore[ing] the FCC’s commitment to ensuring that the United States wins the global race to 5G,” as stated in the FCC Press Release dated September 26, 2018; and

WHEREAS, global communications and technological advancements are important components of the state and federal economy but need not come at the expense of the public’s health. As the world’s leading economy the United States can and should “win the global race” while protecting its residents from potential long term health effects that will only further harm the economy in the future; and

WHEREAS, the FCC’s action allows private cell providers the right to put antennas and transmission control boxes on city-owned streetlight poles and privately-owned utility wood poles subject to only minimal limitations. This means that a 5G antenna could be mounted on the streetlight or utility pole in front of a resident’s home, and there would be little the resident could do about it. Given the health concerns described above, the City believes this should cause great concern for all City residents; and

WHEREAS, the City of Appleton's **Health in All Policy** Ordinance states that Stakeholder engagement is essential for ensuring the Health and Well-being of our citizens when reviewing technology advancement and their potential health risks, and

WHEREAS, we the undersigned find it is in the best interest of the residents to urge the state and federal governments to initiate independent scientifically reliable studies of the health effects of small cell wireless and 5G technology on residential populations and develop guidelines for the installation of this technology that will protect the health and welfare of the public.

NOW, THEREFORE, BE IT RESOLVED; The Mayor and the City of Appleton hereby urge the state and federal governments to initiate independent scientifically reliable studies of the health effects of small cell wireless and 5G technology on residential populations and develop guidelines for the installation of this technology that will protect the health and welfare of the public.

BE IT FURTHER RESOLVED; The Common Council hereby directs the City Clerk to transmit a copy of this Resolution to all appropriate entities.