MINUTES OF THE REGULAR MEETING OF THE CITY COUNCIL OF THE UNITED CITY OF YORKVILLE, KENDALL COUNTY, ILLINOIS, HELD IN THE CITY COUNCIL CHAMBERS, 800 GAME FARM ROAD ON TUESDAY, DECEMBER 10, 2019

Mayor Purcell called the meeting to order at 7:02 p.m. and led the Council in the Pledge of Allegiance.

ROLL CALL

City Clerk Pickering called the roll.

Ward I	Koch	Present
	Transier	Present
Ward II	Milschewski	Present
	Plocher	Present
Ward III	Funkhouser	Present
	Frieders	Present
Ward IV	Tarulis	Absent
	Peterson	Present

Staff present: City Administrator Olson, City Clerk Pickering, Chief of Police Jensen, Deputy Chief of Police Mikolasek, Deputy Chief of Police Pfizenmaier, Public Works Director Dhuse, Community Development Director Barksdale-Noble, Finance Director Fredrickson, Parks and Recreation Director Evans, Assistant City Administrator Willrett, Attorney Orr, and EEI Engineer Sanderson.

QUORUM

A quorum was established.

AMENDMENTS TO THE AGENDA

None.

PRESENTATIONS

None.

PUBLIC HEARINGS

None.

CITIZEN COMMENTS ON AGENDA ITEMS

None.

CONSENT AGENDA

None.

MINUTES FOR APPROVAL

Mayor Purcell entertained a motion to approve the minutes of the regular City Council meetings of November 12, 2019 and November 26, 2019 as presented. So moved by Alderman Transier; seconded by Alderman Koch.

Motion unanimously approved by a viva voce vote.

BILLS FOR PAYMENT

Mayor Purcell entertained a motion to approve the bill list in the amount of \$482,776.87 (vendors); \$782,151.25 (wire payments); \$311,999.36 (payroll period ending 11/27/19); for a total of \$1,576,927.48. So moved by Alderman Milschewski; seconded by Alderman Plocher.

Motion approved by a roll call vote. Ayes-7 Nays-0 Funkhouser-aye, Transier-aye, Plocher-aye, Frieders-aye, Peterson-aye, Koch-aye, Milschewski-aye

REPORTS

MAYOR'S REPORT

Kendall Marketplace

Mayor Purcell announced that new development will be coming to Kendall Marketplace. Two new free-standing buildings will be constructed. Verizon will be relocating from their current location to Kendall Marketplace and Smoothie King will be opening in the other new building.

Police Department

Mayor Purcell mentioned that he would like to see if there is any interest in looking into the feasibility of the Yorkville Police Department sharing space with the Kendall County Sheriff's Office in the Kendall County Public Safety Center.

Mayor Purcell said that he, along with Administrator Olson, and Chief Jensen sat down with Sheriff Baird, Scott Gryder, and Scott Koeppel from Kendall County and discussed the idea of sharing space. Mayor Purcell believes the shared space idea was well received. Currently, there are no specific details or proposals on the subject. If both parties want to move forward after discussions take place, the City can look at putting a proposal together.

Mayor Purcell asked the council if they have any comments on the topic. Some of the aldermen expressed that they liked the idea of exploring shared space with Kendall County. Mayor Purcell clarified that this would not replace the Yorkville Police Department with the Kendall County Sheriff's office. The City would still have its' own police department staff; this would be for the sharing of facilities and anything else that would help both entities be more efficient.

There was a concern brought up about other cities in the county being upset that they were not offered this opportunity. Mayor Purcell brought up that the City of Yorkville is located in the County seat. He also said that if this could help the county save money, those cost savings would benefit the taxpayers.

Meeting Schedule for 2020

(CC 2019-76)

Mayor Purcell entertained a motion to approve the meeting schedule for 2020 as presented. So moved by Alderman Milschewski; seconded by Alderman Transier.

Motion unanimously approved by a viva voce vote.

Kendall County Transportation Alternatives Program (KC-TAP)

(CC 2019-77)

Mayor Purcell entertained a motion to authorize staff to apply for a grant through the Kendall County Transportation Alternatives Program. So moved by Alderman Milschewski; seconded by Alderman Frieders.

Administrator Olson explained that staff is proposing to submit for easement acquisition, engineering, and sidewalk construction to complete the gap along Fox Road from the existing sidewalk at Morgan Street west to the existing sidewalk at White Oak Estates Subdivision. It was discussed that if the city is awarded the grant, the city is not obligated to accept it. The city can still apply for the grant and decline to move forward if the council decides not to budget money for these sidewalk improvements.

Motion approved by a roll call vote. Ayes-7 Nays-0 Transier-aye, Plocher-aye, Frieders-aye, Peterson-aye, Koch-aye, Milschewski-aye, Funkhouser-aye

City Liability Insurance and Workman's Comp Insurance Renewal

(CC 2019-78)

Mayor Purcell entertained a motion to authorize entering into a one year insurance agreement with American Alternative Insurance Corporation (Glatfelter) for property/casualty insurance in an amount not to exceed \$179,984; to authorize entering into a one year insurance agreement with the Illinois Public Risk Fund for worker's compensation insurance in an amount not to exceed \$186,521; to authorize entering into a one year agreement with Mesirow Insurance Services in an amount not to exceed \$19,000. So moved by Alderman Koch; seconded by Alderman Funkhouser.

Motion approved by a roll call vote. Ayes-7 Nays-0 Plocher-aye, Frieders-aye, Peterson-aye, Koch-aye, Milschewski-aye, Funkhouser-aye, Transier-aye

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Ordinance 2019-85

Amending the Code of Ordinances Pertaining to Unlawful Use of Cannabis

(CC 2019-79)

Mayor Purcell entertained a motion to approve an Ordinance Amending the Code of Ordinances Pertaining to Unlawful Use of Cannabis and authorize the Mayor and City Clerk to execute. So moved by Alderman Transier; seconded by Alderman Funkhouser.

Motion approved by a roll call vote. Ayes-7 Nays-0 Frieders-aye, Peterson-aye, Koch-aye, Milschewski-aye, Funkhouser-aye, Transier-aye, Plocher-aye

Metra Station Options

(CC 2019-80)

Mayor Purcell asked Administrator Olson for an update on the Metra Station Options. Administrator Olson discussed the two options that staff feels should be eliminated. Staff is recommending that Option A, located in downtown Bristol and Option C, located at the southwest corner of the BNSF tracks and Route 47 be eliminated. Option A is the most expensive due to wetlands and not being in the city limits of Yorkville. Option C is in the city limits but has limited adjacent property for residential and commercial development.

Option B is located at Eldamain Road. This location has the most significant potential for development, is in the Plano School District, and is not serviced by utilities. Option D is adjacent from the Wrigley property on the southeast of the corner of the BSNF tracks and Route 47. This location has enough space for a train station and a parking lot. There are also a lot of adjacent development opportunities to the north. Administrator Olson mentioned that this is an extension study, and the city does not have to make a final decision at this time; they are looking for feedback.

There was a question brought up regarding the storage sites. Administrator Olson said that with option B, C, and D, the potential train storage yard would be located west towards Eldamain Road. This would be due to the noise and wanting to keep it as far away from residential properties.

Some of the council members were in favor of option B for the train yard. There were also members in support of option D for the station. There was a discussion about the concern of a station being located outside of city limits. Administrator Olson mentioned there was a discussion of possibly sharing a station with Plano. This would save the city money but would be an inconvenience to the Yorkville residents.

Mayor Purcell asked what the timeline was for the council to make a recommendation on location. Administrator Olson said public comments are open on Metra's website through January 6th. Metra asked for feedback soon after January 6th. Administrator Olson noted that it would be best to have a recommendation to Metra by the end of January.

PUBLIC WORKS COMMITTEE REPORT

Chairman Plocher announced that the December 17th Public Works committee meeting would be cancelled.

ECONOMIC DEVELOPMENT COMMITTEE REPORT

Ordinance 2019-86

Amending the Regulations for Mobile Vendors

(EDC 2019-100)

Alderman Milschewski made a motion to approve an Ordinance Amending the Regulations for Mobile Vendors and authorize the Mayor and City Clerk to execute; seconded by Alderman Peterson.

Motion approved by a roll call vote. Ayes-7 Nays-0 Milschewski-aye, Funkhouser-aye, Transier-aye, Plocher-aye, Frieders-aye, Peterson-aye, Koch-aye

Economic Development Infographic

(EDC 2019-101)

Alderman Milschewski said that the Community Development department has created an infographic which helps to explain role that the private sector plays in development versus the role that local government plays in development. This item is informational.

PUBLIC SAFETY COMMITTEE REPORT

No report.

ADMINISTRATION COMMITTEE REPORT

Chairman Funkhouser announced that the December 18th Administration Committee meeting would be cancelled.

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PARK BOARD

No report.

PLANNING AND ZONING COMMISSION

Ordinance 2019-87

Approving the Final Plat of Resubdivision for Kendall Marketplace Unit 1 (PZC 2019-26 and EDC 2019-89)

Mayor Purcell entertained a motion to approve an Ordinance Approving the Final Plat of Resubdivision for Kendall Marketplace Unit 1. So moved by Alderman Funkhouser; seconded by Alderman Frieders.

Director Barksdale-Noble explained that the land being discussed consists of a 38-acre parcel located in Kendall Marketplace. The petitioner is requesting to subdivide this parcel into ten new commercial lots.

Motion approved by a roll call vote. Ayes-7 Nays-0 Transier-aye, Plocher-aye, Frieders-aye, Peterson-aye, Koch-aye, Milschewski-aye, Funkhouser-aye

CITY COUNCIL REPORT

National Suicide Prevention and Action Month Proclamation Project

Alderman Frieders reported that he would be participating in a conference call to help determine the plan for the Illinois Suicide Prevention Alliance task force for 2020. He is excited to see how they can improve upon what they have been working on over the last few years.

CITY CLERK'S REPORT

No report.

COMMUNITY & LIAISON REPORT

Tax Levy - School Board Meeting

Alderman Milschewski wanted to remind everyone that the Yorkville School Board would be discussing the school district's tax levy at their upcoming board meeting that will be held on Monday, December 16th. She encouraged residents to attend the board meeting since the school district is the largest portion of the property tax bill that residents receive.

STAFF REPORT

No report.

ADDITIONAL BUSINESS

Holidays

Mayor Purcell wished everyone a Merry Christmas and Happy New Year!

Riverfront Park - Christmas Tree

Mayor Purcell mentioned that he has received many positive comments about the new Christmas tree that was put up this year at Riverfront Park.

CITIZEN COMMENTS

Dawn Ramey spoke against the rollout of 5G technology. She feels that 5G is hazardous to people's health and also the environment as well.

Kelly Burke also spoke against the rollout of 5G technology. She feels that 5G is hazardous to our health and she mentioned that there are other communities that have banned 5G.

EXECUTIVE SESSION

None.

ADJOURNMENT

Mayor Purcell entertained a motion to adjourn the City Council meeting. So moved by Alderman Frieders; seconded by Alderman Peterson.

Motion unanimously approved by a viva voce vote.

Meeting adjourned at 8:22 p.m.

Minutes submitted by:

Lisa Pickering,

City Clerk, City of Yorkville, Illinois



What You Need To Know About 5G Wireless and Microcells ("Small" Cells)

"We recommend a moratorium on the roll-out of the fifth generation, 5G, for telecommunication until potential hazards for human health and the environment have been fully investigated by scientists independent from industry...RF-EMF has been proven to be harmful for humans and the environment."

— 2017 5G Scientific Appeal (signed by more than 180 scientists and doctors from 35 countries)

Around the world, communities are being told by wireless companies that it is necessary to build microcell (or "small cell") wireless facilities in neighborhoods on streetlight and utility poles in order to offer 5G, a new technology that will connect the Internet of Things (IoT). At every level of government, new legislation and new zoning aim to streamline the installation of these 5G microcell antennas in public rights-of-way.

The radiation from small cells is not small: Wireless antennas emit microwaves — non-ionizing radiofrequency radiation — and essentially function as cell towers. Radiation emitted from small cells is expected to typically travel from 10 feet up to several hundred feet.

Millions of small cells to be built in front yards: It is estimated that millions of these wireless transmitters will be built in our rights-of-way, directly in front of our homes.

5G will add to — not replace — our current wireless technology: 5G will add in another layer of wireless radiation to our environment. 5G will not only utilize wireless frequencies already in use but also add in higher frequencies — submillimeter and millimeter waves — in order to transmit data at superfast speeds.

Community authority is overruled: Communities are being stripped of their right to make decisions about this new technology. "Streamlining" means almost automatic approval. Public notice and public hearings are being eliminated. Even if every homeowner on the street opposes the antennas on their street, the opposition will be disregarded.

Scientists worldwide are calling for a halt to the 5G Roll-out: In 2017, over 180 scientists and doctors issued a declaration calling for a moratorium on the increase of 5G cell antennas citing human health effects and impacts to wildlife. In 2015, the International EMF Scientist Appeal, now signed by over 225 scientists from 41 nations, was submitted to the Secretary-General of the United Nations urging the development of more protective policy and guidelines, and calling for education of the public about health risks, particularly risks to children and fetal development.

Cumulative daily radiation exposure poses serious public health risks: Peer reviewed, published science indicates that exposures to wireless radiation can increase cancer risk and alter brain development and damage sperm. Most people are unaware that wireless technology was never tested for long-term safety, that children are more vulnerable and that the accumulated scientific evidence shows harm.

Decreased property values: Studies show property values drop up to 20% on homes near cell towers. Would you buy a home with a mini cell tower in the yard?

Microwave antennas in front yards present several worker and public safety issues: U.S. unions have already filed comments that workers were injured, unaware they were working near transmitting antennas. How will electrical workers, window washers, and tree cutters be protected? The heavy large equipment cabinets mounted on poles along our sidewalks also present new hazards. Cars run into utility poles, often, what then?

There is a safer alternative: Worldwide, many regions invest in safer and smarter fiber optic cabling all the way to each home, rather than antennas in front yards. Wired fiberoptic connections are safer, faster, more reliable, provide greater capacity, and are more cyber-secure.

KEY RESEARCH AND REPORTS

Study Finds 5G Frequencies Have A Biological Effect

A newly published study from distinguished Israeli physicists Yuri Feldman, Paul Ben-Ishai and colleagues found that the higher millimeter frequencies intended for use in 5G are preferentially absorbed in the sweat duct, a significant biological effect. Read the study "The Modeling of the Absorbance of the Sub-THz Radiation by Human Skin." and watch a lecture by Paul Ben-Ishai, PhD at 2017 IIAS Conference at EHTrust.org.

US National Toxicology Program (NTP) Study Found Wireless Caused Cancer and DNA Damage in Rodents

The National Institute of Environmental Health Sciences NTP long-term radiofrequency radiation (RFR) studies found male rats developed gliomas (brain cancer) and schwann cell tumors, the same types of tumors increased in long-term human cell phone users. In addition, DNA damage was found leading the scientists to conclude that, "exposure to RFR has the potential to induce measurable DNA damage under certain exposure conditions."

Cell Tower Radiation is Linked To Damage in Human Blood

A newly published study compared people living close and far from cell antennas and found a significant impact on people living closer to cellular antennas. Damage was found in their blood that predicts cancer development. Read the study "Impact of radiofrequency radiation on DNA damage and antioxidants in peripheral blood lymphocytes of humans residing in the vicinity of mobile phone base station" (Zothansiama et al, 2017; published in *Electromagnetic Biology and Medicine*) at EHTrust.org.

Millimeter Waves Impact Bacteria Growth

New research finds that millimeter waves alter bacteria growth, and the combined action of these frequencies with antibiotics had even stronger effects. Read the study "Millimeter waves or extremely high frequency electromagnetic fields in the environment: what are their effects on bacteria?" (published in *Applied Microbiology and Biotechnology*) at EHTrust.org.

RESOURCES ON EHTRUST.ORG

A 5G Wireless Future: Will it give us a smart nation or contribute to an unhealthy one?" Santa Clara Medical Association Bulletin, Cindy Russell MD, 2017

Letters by Scientists in Opposition To 5G Research on Cell Tower Radiation, 2017

Research on Cell Tower Radiation

Biological Effects from Exposure to Electromagnetic Radiation Emitted by Cell Tower Base Stations and Other Antenna Arrays, Levitt and Lai, 2010

Radiofrequency radiation injures trees around mobile phone base stations, Waldmann-Selsam et al., 2016

Department of Interior Letter on the Impact of Cell Towers on Migratory Birds, Willie R. Taylor Director, Office of Environmental Policy and Compliance, 2014

Anthropogenic radiofrequency electromagnetic fields as an emerging threat to wildlife orientation, Balmori, 2015

Briefing Memorandum On The Impacts from Thermal and Non-thermal Non-ionizing Radiation to Birds and Other Wildlife, Manville, 2016

International Policy To Reduce Public Exposure to Wireless Radiation

BioInitiative 2012: A Scientific Report By 29 International EMF Experts

TAKE ACTION

Contact your elected officials in person now.

Share this information with your friends, family and community.

Ask for government policy that reduces RFR exposure to the public.

Citizens in all nations must organize and take action to halt the deployment of 5G which is moving forward right now.

5G Small Cell Antennas To Be Placed on:

- Street lights
- Trashcans
- Utility poles
- Bus stops
- Sides of buildings

5 Reasons Why Small Cells Are Not Small

- · Increased radiation near homes
- Refrigerator-sized equipment cabinet
- Drop in property values
- Taller poles
- Fixtures weigh hundreds of pounds

Crown Castle's 2016 10-K Annual Report says:

"If radio frequency emissions from wireless handsets or equipment on our wireless infrastructure are demonstrated to cause negative health effects, potential future claims could adversely affect our operations, costs or revenues... We currently do not maintain any significant insurance with respect to these matters."

Read warnings from Crown Castle, Verizon and other wireless companies at EHTrust.org.

The American Academy of Pediatrics says:

"An Egyptian study confirmed concerns that living nearby mobile phone base stations increased the risk for developing:

- Headaches
- Memory problems
- Dizziness
- Depression
- · Sleep problems"

Read more at healthychildren.org

Letter from oncologist Lennart Hardell MD &

Colleagues: "There is a substantial body of evidence that this technology is harmful to humans and the environment. The 5G millimeter wave is known to heat the eyes, skin and testes... Of particular concern are the most vulnerable among us — the unborn, children, the infirm, the elderly and the disabled. It is also expected that populations of bees and birds will drastically decline."

Read 2017 Scientific Letter on EHTrust.org

Peer Reviewed Research Studies on Radiofrequency Radiation Have Found:

- Headaches
- Sperm damage
- · Altered brain development
- Depression
- Neurological symptoms
- Hormone changes
- Memory problems
- Sleep problems
- Cancer

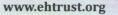
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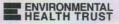
www.saferemr.com/2017/09/5g-wireless-technology-is-5g-harmful-to.html

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The Baby Safe Project (babysafeproject.org)

Physicians for Safe Technology (mdsafetech.org)





5G Danger: 13 Reasons 5G Wireless Technology Will Be a Catastrophe for Humanity

By Makia Freeman

Global Research, November 16, 2019

Tools for Freedom

Theme: Environment, Science and Medicine



Important article first publish on September 24, 2019

The 5G danger can't be overstated.

5G (5th Generation) is now being actively rolled out in many cities around the world. Simultaneously, as awareness over its horrific health and privacy impacts is rising, many places are issuing moratoriums on it or banning it, such as the entire nation of Belgium, the city of Vaud (Switzerland) and San Francisco (USA). Radiofrequency radiation (RF or RFR) and electromagnetic fields (EMF) are being increasingly recognized as new types of pollution — environmental pollution. Here are 13 reasons exposing the 5G danger, which could turn into an unmitigated health and privacy catastrophe if enough people don't rise up to stop it.

1. 5G Danger: Hijacking Your Sweat Duct Antennae

The 5G network uses and broadcasts frequencies which affect our sweat ducts, which act as antennae. In other words, our largest organ, the skin, can be influenced and manipulated by 5G. As I reported in

this the article <u>5G and IoT: Total Technological Control Grid Being Rolled Out Fast</u>, scientist Dr. Ben-Ishai exposed the connection between 5G and our body's sweat ducts in this <u>video</u>:

"[The 5G frequencies] will zap [us] with wavelengths that will interact with the geometrical structure of our skin ... We found that sweat ducts work like helical antennas ... the sweat duct was an integral part of the mechanism for the absorption of energy, electromagnetic, between 75-100 GHz, and that if you changed the character of the sweat duct, i.e. made it work, you could actually change that absorption at some point, and if you could do that you could trace how a person is under stress."

2. 5G Danger: 5G Amplifies EMF Damage via VGCCs

Wireless radiation and EMF scientist **Dr. Martin Pall** has done groundbreaking research in explaining exactly how EMFs cause premature aging and injury to the human body, including damage to fertility, brains, hearts and even DNA! He pioneered research showing how EMFs activate the body's VGCCs (Voltage-gated calcium channels) which causes them to release excess calcium ions into the cell. This then leads to nitric oxide (NO) and superoxide which react nearly instantaneously to form peroxynitrite and free radicals. Many studies like <u>this</u> show peroxynitrite damages DNA. <u>Dr. Pall has stated</u> unequivocally that the "5G rollout is absolutely insane."

3. 5G Danger: Pulsed Wave Far More Damaging than Continuous Wave Radiation

A significant and unique feature of Smart Meters is that they emit pulsed wave radiation not continuous wave radiation. In other words, they run in start-stop cycles of emitting a burst of EMF then going temporarily inactive. This happens an incredibly high amount of times per day; <u>court documents</u> with testimony from utility companies (like Pacific Gas and Electric Company of California) reveal that smart meters send pulsed waves between 9,600 and 190,000 times per day!

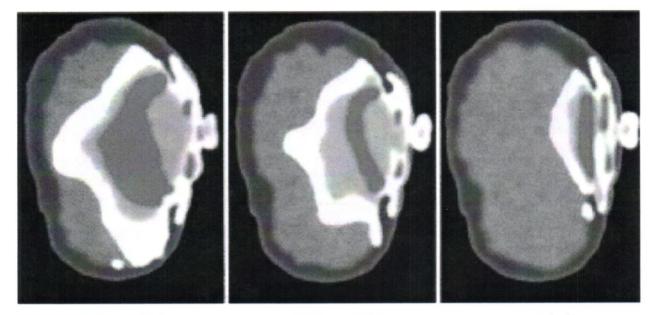
In this 2018 <u>video</u>, Dr. Pall states there are 13 studies which show that pulsed wave EMFs are more active (and dangerous) than continuous wave EMFs. You can read the evidence here.

4. 5G Danger: 5G Promotes Deep EMF Penetration

The main reason why cell or mobile phones are more dangerous for children than adults (apart from the fact that radiation absorption is cumulative over a lifetime) is due to EMF penetration.

Microwave Cellphone Effects

Absorption in the Brain According to Age



5 Year Old 10 Year Old Adult Image courtesy of Dr. Om Gandhi, University of Utah, 1996, IEE Publication

Dr. Pall writes:

"The industry has also made claims that more conventional microwave frequency EMFs are limited in effect to the outer 1 cm of the body. We know that is not true, however because of the effects deep in the human brain, on the heart and on hormone systems. Perhaps the most important two studies demonstrating effects deep within the body are the studies of Professor Hässig and his colleagues in Switzerland on cataract formation in newborn calves. These two studies clearly show that when pregnant cows are grazing near mobile phone base stations (also called cell phone towers), the calves are born with very greatly increased incidences of cataracts."

Hässig wrote in his 2009 study:

"Of 253 calves, 79 (32%) had various degrees of nuclear cataract, but only 9 (3.6%) calves had severe nuclear cataract. Results demonstrate a relation between the location of veals calves with nuclear cataracts in the first trimester of gestation and the strength of antennas. The number of antennas within 100 to 199 meters was associated with oxidative stress and there was an association between oxidative stress and the distance to the nearest MPBS (Mobile Phone Base Station)."

5. 5G Danger: 5G is a Weapons System Disguised as a Consumer Convenience

Mark Steele has been very outspoken against 5G and has now been widely interviewed, including by Project Camelot and also by Sacha Stone in his documentary <u>5G Apocalypse: The Extinction Event</u>. Steele

claims that although widespread reports state that 5G is operating in the 24-100 GHz range, it is actually sub-gigahertz (meaning under the GHz threshold, so still measured in MHz). He says 5G is a weapons system like long-range radar, phased array radar and directed energy (DEW was used in 9/11 and various fires like the Paradise fires). He claims that when you examine 5G hardware, it has a dielectric lens which is proof it is a weapons system. Autonomous vehicles can use 5G to shine in mirrors of other drivers (which is so strong and damaging it is equivalent to assault). Mark talks about how 5G is powerful enough to kill babies in wombs. He states:

"5G is a weapons system, nothing more, nothing less. It's got nothing to do with telecommunications for humans. 5G is a machine to machine connection for autonomous vehicles."

6. 5G Danger: LA Firefighters Develop Ailments After Being Too Close to Towers

In this <u>video</u> a 25 year veteran firefighter from Los Angeles compares cell towers to cigarettes. He calls for a stop to the cell/mobile phone base stations being built on or near fire stations. Firefighters are not the only ones suffering the effects; it was reported that <u>hundreds of birds fell from the sky</u> in the Netherlands during a 5G test.

7. 5G Danger: Same Frequencies as used for Crowd Dispersal

5G purportedly uses millimeter wave (MMW) frequencies, so called because the frequencies are so high (in the 24-100 GHz range). Since 1 GHz = 1 billion GHz, we are talking about frequencies with very very short wavelength (the distance between the peak of one wave and the next). The distances are so tiny they are measured in millimeters, hence the term millimeter wave. These are the exact same frequencies used by the military for their non-lethal weapons such as <u>Active Denial Systems</u> for crowd dispersal. These weapons have the capacity to cause tremendous injury. Dr. Paul Ben-Ishai said, "If you are unlucky enough to be standing there when it hits you, you will feel like your body is on fire."

8. 5G Danger: Mutagenic (Causing DNA Damage) and Carcinogenic (Causing Cancer)?

The MMW frequencies of 5G cause mitochondrial DNA damage – which is then passed down generations. 5G is mutagenic. These mutations are inherited by the next generation! This has grave implications for genetic purity. How many people are thinking about this when they can't stop looking at their screens? This <u>website</u> lists many studies showing the **mitochondrial damage** that occurs after exposure to **EMF radiation**.

With mutagenesis usually comes carcinogenesis. In other words, once something is powerful and dangerous enough to cause DNA damage, chances are high it will lead to cancer. Mark Steele says 5G is a class 1 carcinogen, although the WHO (World Health Organization) very conservatively classifies cell phone towers as a class 2b possible carcinogen. It's important to note, however, that the WHO is an agency of the UN which was set up by the Rockefellers, an illustrious NWO Illuminati family who plan to use the UN as a vehicle to usher in a One World Government.

5G is being rushed out without the proper safety testing done, so we don't have much data on how 5G specifically causes cancer, but there is an abundance of evidence showing how 2G, 3G and 4G EMFs are implicated in many kinds of cancer, including brain cancer. This <u>website</u> has a good collection of the many studies done.

9. 5G Danger: Phased Array Densification

5G requires significantly more transmitters or broadcasters than earlier generations. It is a plan of massive infrastructure creation, with stations, towers and bases planned to be put almost everywhere, including in the heart of residential neighborhoods. The effects of this kind of densification could be disastrous.

5G is powerful enough to 3D map the inside of your home and other buildings. Mark Steele specifically highlights the 868 MHz frequency, previously used for battlefield interrogations and which can travel with ease through bricks and concrete. He claims this frequency can single out specific people ... interesting given all the electronic harassment and gang stalking which occurs against TIs (Targeted Individuals).

5G infrastructure will consist of small phased array antennas shooting out radiation at their targets like a bullet. The rays of microwaves they produce will be strong enough to pass through walls and human bodies. We will be blanketed with this 24/7/365, and what's worse, the coverage area is slated to be broader than the current 4G, eventually encompassing every square inch of Earth.

10. 5G Danger: Killing All the Insects?

Insects, birds and children are the most vulnerable to 5G due to their body size. Claire Edwards is a former UN staff editor who brought the EMF/5G issue to their attention of UN Secretary General Antonio Guterres. She stated in an anti-5G rally speech in Stockholm:

"It's interesting to note that in the last 20 years we have lost 80% of our insects. And if we get 5G, we're going to lose 100% of our insects. When the insects go, we go too."

Both insects and 5G need antennas: insects use them, among other things, in their sense of smell, while 5G uses them to propagate waves. Not surprisingly, insects are sensitive to 5G EMF waves; this recent <u>study</u> showed that insects exposed to 5G radiation experienced an increase in their body temperature.

"Studies have shown that the frequencies used by 5G increase the body temperature of insects. This phenomenon was not observed with 4G or WiFi."

Meanwhile the study <u>Exposure of Insects to Radio-Frequency Electromagnetic Fields from 2 to 120 GHz</u> concludes:

"Future wavelengths of the electromagnetic fields used for the wireless telecommunication systems will decrease and become comparable to the body size of insects and therefore, the absorption of RF-EMFs in insects is expected to increase."

11. 5G Danger: Space-Based 5G

5G: The Big Picture

5G is planned to be an inescapable grid – with plans afoot to beam it down from space! This ties into the Space Fence agenda as I discussed in my article <u>Space Fence: Connecting the Surveillance and Transhumanist Agendas</u>. The organization <u>International Appeal Stop 5G on Earth and in Space</u> writes:

"At least five companies are proposing to provide 5G from space from a combined 20,000 satellites in low- and medium-Earth orbit that will blanket the Earth with powerful, focused, steerable beams. Each

satellite will emit millimetre waves with an effective radiated power of up to 5 million watts from thousands of antennas arranged in a phased array."

It is vital to understand the bigger picture of the grand conspiracy here. All these disruptive and hazardous technologies – 5G, wi-fi, wireless radiation, HAARP, ionospheric heating, geoengineering, GMOs, etc. – are going to be woven into one giant integrated system of surveillance, command and control. Just as one small example, geoengineering involves the spraying of chemtrails loaded with metal particulates – which 5G can use.

12. 5G Danger: Re-Radiation Inside the Body

Way back in 2002, RF researcher Arthur Firstenberg published an analysis of 5G long before the technology was approved. He explained how, due to 5G EM pulses being extremely short and delivered in bursts, they actually *replicate* inside the body – and end up creating tiny new 5G antennas internally. Firstenberg wrote:

"... when extremely short electromagnetic pulses enter the body, something else happens: the moving charges themselves become little antennas that re-radiate the electromagnetic field and send it deeper into the body ..."

"These re-radiated waves are called Brillouin precursors ... They become significant when either the power or the phase of the wave changes rapidly enough ... This means that the reassurance we are being given – that these millimeter waves are too short to penetrate far into the body – is not true."

This echoes a previous point made – that **5G penetration** is a serious danger.

13. 5G Danger: Insurance Companies Refuse to Underwrite Big Wireless. What Do They Know?

Insurance companies (the most famous of which is Lloyds of London) have made <u>headlines</u> by refusing to insure **Big Wireless** (the telecommunication corporate conglomerate) against wi-fi and 5G-related illnesses and claims:

"Well, Lloyd's November 2010 Risk Assessment Team's Report gives us a solid clue: **the report compares these wireless technologies with asbestos**, in that the early research on asbestos was "inconclusive" and only later did it become obvious to anyone paying attention that asbestos causes cancer. Keep in mind that Lloyd's Risk Assessment study of wi-fi was published over 8 [now 9 – Ed.] years ago. Even back then, however, their Risk Assessment Team was smart enough to realize that new evidence just might emerge showing that the various wi-fi frequencies do cause illness."

Conclusion: 5G Grid Part of Larger Command, Control, Surveillance and Artificial Intelligence (AI) Agenda

5G is qualitatively and quantitatively different to 4G. It is much more than just the next step up from 4G. 5G will not only beam tens to hundreds times more radiation than 4G, but the introduction of MMW technology means a whole new host of hazards. History repeats itself. Just like it took some time for real science to catch up with tobacco/cigarettes, and just like it took some time for real science to catch up with the monstrosity that are GMOs (now rebranded as **BioEngineered Foods**), so too will real science catch up with 5G. In the meantime, you can expect all sorts of **junk science** to be put forth to justify it,

including misdirections and distractions like only focusing on the thermal effects of wireless (and ignoring the evidence of dangerous non-thermal effects).

Ultimately, 5G is part of the NWO agenda to set up a giant, inescapable command and control grid that eliminates all privacy and allows the manipulators to surveil every single person on the planet all the time. If there was ever a time for activists to step up in the name of freedom, truth, health, privacy and sovereignty, now is the time.

5. 2 W. T. F

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