

City of Worcester
Massachusetts

Att: Patricia Burke

Re: Zone Meeting on Smart Meter Program

Dear Patricia:

Thank you for the call regarding smart meter deployment in your area. I look forward to answering your important questions regarding the safety of RF EMFs as applied. I have double science credentials and lecture medical education specific to the dangers of these frequencies as applied. Medical professionals get education credits they require for ongoing medical licensing. That means it is not an opinion, it is approved medical education.

There are very real and specific reasons we wire the world versus wireless. A wired circuit is insulated and the EMFs cancel each other out when the wires are together. Great care is required in a wireless circuit because there is no insulation and EVERYTHING hit by the EMFs is in the circuit.

The Specific Absorption Rate(SAR) adopted by Canada, the FCC and other governing bodies is extremely flawed science. Health Canada's Safety Code 6 uses the same science as the FCC and others but admits **causation and biological plausibility is missing** linking the frequencies to adverse health effects.

The picture below is a model used for the SAR. There is a hole in the top of the head and a temperature probe in the top. You can see the cell phone being tested.



When it came to Wi-Fi for wireless laptops or smart meters, 24/7 exposure was deemed to be ok because the laptop or meter isn't held against the head like a cell phone.

The SAR test admits they are inducing currents into you but not enough to heat your water molecules. Industry reports there isn't one peer reviewed study showing adverse health effects. As you can see, the plastic model of the head doesn't have any health issues and never will. The SAR test left out the grid influence, Wi-Fi Routers in classrooms and the bio-electrical information associated with humans. You can NOT leave out voltages, frequencies, orientation of the fields, etc in an electrical equation. You can't leave out the grid and the Zoning Documents show the grid but the test on safety left that out.

Even though electricity and engineering isn't a singular opinion, I did provide expert witness for Canadian Parliament's Standing Committee on Health at their request. Canada is presently revising their Safety Code 6 related to human exposure, causation and biological plausibility has been found and reported.

I was on the Texas PUC Expert Panel on smart meters and informed the PUC of the changes in science linking the frequencies to adverse health effects, building and infrastructure damage, etc.

Here is a link to testimony provided to the Texas Senate Committee and the Lt. Governor. There are links within the document dealing with energy and installation. Texas complicated their program and the dangers with unqualified people installing meters. Licensed and bonded electricians work with the home owner and in reality change a meter base that has never been maintained.

http://www.thermoguy.com/pdfs/Texas_Senate_Committee_Meeting_on_Smart_Meters.pdf

As an electrical and engineering professional, my background is specific to the problems with the grid and the objective. Keep in mind that buildings and their energy use are signed off as compliant because we couldn't see energy. Here is a file that is evidence in British Columbia Utilities Commission's transcripts for a utility application showing energy losses and the meters will not address it.

http://www.bcuc.com/Documents/Proceedings/2012/DOC_32604_C19-6_WKCC-Submission-RDCK-Nelson-Creston_Suspension.pdf

Alan Rivaldi's document got credibility but unfortunately undermined the state objectives. I represented his document in a PUC hearing as baseless, unqualified science and his negligence recklessly endangered Texans. I represented the same to the Lt. Governor of Texas last week.

If your Zoning Committee or state uses Alan's unqualified opinion as a basis to move forward, there will be liabilities.

Massachusetts State Senator Harriette Chandler and Engineer John Orr were speaking outside their area of expertise on the safety of the smart meter program. The Senator didn't know the dangers of the frequencies as applied is now accepted medical education applicable in 50 states.

John Orr isn't medically qualified, he left out critical electrical information in his reporting on safety. His opinion is based on water molecules heating, not the electrical interaction of these frequencies with bio-electrical humans or other biology. When you mix frequencies, you get resultant frequencies that will not be recognized by the body.

Can John provide the voltages, frequencies and other electrical information associated with the body to substantiate his claims of safety? Then he has to consider the orientation of the EMFs specific to EACH human, complete massive calculations and change the calculations every time the person moves within the field. He has to repeat that for bees, bugs, trees, pets and all biology in the coverage areas.

John did not qualify the building or infrastructure damage when they are hit by penetrating frequencies. Buildings aren't designed for the EMFs expanding and collapsing billions of times per second inside the walls or fire separations. Professional Engineers have to sign off on this and will not once they know what has been done. They were never told as were other professionals applicable to the coverage.

These engineers and John are insured for errors and omissions. Buildings are designed for their loading and that includes vibration. How many billion times per second with 24/7 exposure before engineers fail the building? Is the utility and state going to pick up the municipal losses for their buildings and accelerated corrosion of infrastructure?

The zoning documents also refer to the second antenna in the building for future wireless **devices** and there is no information about the orientation of the fields to pacemakers, vulnerable babies, pregnant women as well as others.

John could have shown how white washed buildings or shade would eliminate load from the strained electrical grid while creating jobs across the country.

I understand health and environment isn't to be discussed at the zone meeting but it must be. Their own documents show they did not consider the EMF coverage of many miles but mention the equipment won't be close to ecosystems. Page 3 footnote refers to addressing energy and climate change? The grid will not show solar emfs causing buildings to generate atmospheric heat and massive energy waste used. It is important to understand we are not lobbyists, 100% of our work is in the best interests of all parties and sustainability.

I would strongly suggest the city contact medical education administrators and have an accredited medical education program in your area. Administrators have said they would allow the program to be open to other professionals, administrators and the public.

<http://www.thermoguy.com/pdfs/Integrative Health Forum on Medical Education Including Wireless Exposure.pdf>

In order for the frequencies to hurt people, they have to be hit and the grid substantiates that action. It is accepted and known the frequencies trigger nerves, that affects the nervous and hormonal systems. Obama care or any other care will not account for the health costs associated with radiating a population. The planet uses a magnetic field, not man made frequencies used for communication smothering the planet.

Please share this with the zoning committee as well as the Senator and John Orr.

Sincerely,

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