

Experts Comment on Smart Meter Health Effects

- **“The notion that non-ionizing radiation is harmless – the assumption of innocence – is no longer tenable. Research findings suggest that radiofrequency exposures are potentially carcinogenic and have other health effects. Therefore, prudent avoidance of unneeded exposures is recommended as a precautionary measure.”**
John R. Goldsmith, M.D., M.P.H., TV Broadcast Towers and Cancer: The End of Innocence for Radiofrequency Exposures, American Journal of Industrial Medicine 32:689-692 (1997) <http://www.wirelessimpacts.org/publicpolicy.html>
- **“ . . . we are creating a potential time bomb. If smart meters are placed on every home, they will contribute significantly to our exposure and this is both unwise and unsafe.”** Havas report on smart meters for California Council on Science and Technology, January 17, 2011 <http://www.magdahavas.com/2011/01/18/havas-report-on-smart-meters-for-ccst/>
- **“... no positive assertion of safety can be made ... currently, the data made available by the utilities that are installing smart meters is non-existent, piecemeal and without sufficient basis to verify.”** Sage report on radio-frequency (RF) exposures from smart meters, February, 2011 http://sagereports.com/smart-meter-rf/?page_id=460
- **“...In what are called “mesh networks,” signals can also be bounced from house-meter to house-meter before reaching the final hub. So exposures will not just be from your own meter, but accumulating from possibly 100-to-500 of your neighbors’ as well... That’s a hefty barrage of radiation.”** – from “The Problems With Smart Grids” by B. Blake Levitt and Chellis Glendinning, Mar 18, 2011 <http://www.energybulletin.net/stories/2011-03-23/problems-smart-grids>
- **“ . . . When the chart is corrected to reflect the same units of measurement, it appears that smart meters are at least 100x more powerful than cell phones, which are increasingly being linked with brain tumors.”** Dan Hirsch, UC Santa Cruz Nuclear Policy expert, 21 Apr 2011 <http://stopsmartmeters.org/2011/04/20/daniel-hirsch-on-ccsts-fuzzy-math/>
- **"It's one thing to be on a cell phone for one hour per day, but if you are exposed to smart meter or a cell tower, you are exposed 24/7 so the effect is cumulative."**
Henry Lai, PhD, Professor, Bioelectromagnetics Research Laboratory, Dept. of

Bioengineering, University of Washington (Seattle)

http://www.earthisland.org/journal/index.php/elist/eListRead/emf_concerns_causin_g_smart_grid_interference/

- **“We have evidence...that exposure to radiofrequency radiation...increases the risk of cancer, increases damage to the nervous system, causes electrosensitivity, has adverse reproductive effects and a variety of other effects on different organ systems. There is no justification for the statement that Smart Meters have no adverse health effects . . . An informed person should demand that they be allowed to keep their analog meter.”** Dr. David Carpenter, a Harvard Medical School-trained physician who headed up the New York State Dept. of Public Health for 18 years before becoming Dean of the School of Public Health at the University of Albany, where he currently directs the Institute for Health and the Environment.
nosmartmeters.blogspot.com/.../public-health-physician-warns-of-smart.html –
- **“The duration of the radiation seems to be more important than its strength, with the effects being cumulative as more and more cells are damaged . . .** Diem et al. (2005) also found that the effect on DNA damage was still greater if the microwaves were **pulsed or modulated** to carry information (modulation involves sudden stops and starts of the signal, which are even more damaging). **Smart meters, which operate 24/7 and radiate modulated microwaves intermittently, can therefore be expected to be particularly harmful to DNA.”** Dr. Andrew Goldsworthy, Lecturer in Biology (retired), Imperial College London “How Smart Meters May Cause Autism And Cancer.” July 2011
http://www.foodsmatter.com/es/dect_smart_meters/articles/smart_meters_autism_2011_goldsworthy.pdf
- **“Who can support that the constitution, any constitution of any country should allow installations to take place (as the one with Smart Meters) against the rights for health of the citizens.”** Professor Lukas H. Margaritis, National and Kapodistrian, University of Athens, Faculty of Biology, Department of Cell Biology & Biophysics, Electromagnetic Biology Laboratory
<http://www.ccst.us/projects/smart2/documents/letter20.pdf>.
- **“Cells in the body react to EMF’s as potentially harmful, just like any other environmental toxins, including heavy metals and toxic chemicals. The DNA in living cells recognizes electromagnetic fields at very low levels of exposure; and produces a biochemical stress response. The science is very strong and we should sit up and pay attention.”** Dr. Martin Blank, Associate Professor, Department

of Physiology and Cellular Biophysics, Columbia University, quoted in "Radiofrequency Radiation: The Invisible Hazards of "Smart" Meters " by Dr. Ilya Sandra Perlingieri <http://www.globalresearch.ca/index.php?context=va&aid=26082>

- **"It should be noted that we are not the only species at jeopardy, practically all animals and plants may be at stake . . . the inauguration of smart meters with grudging and involuntary exposure of millions to billions of human beings to pulsed microwave radiation should immediately be prohibited..."** Olle Johansson, PhD., Dept. of Neuroscience, Karolinska Institute, Sweden: "Open Letter on SmartMeters" <http://sunroomdesk.com/wp-content/uploads/2011/01/Olle-Johansson-The-California-Council-on-Science-and-Technology-response.pdf>
- "The question for governmental agencies, especially those concerned with public health and safety, is that given the uncertainty, **should we err on the side of safety and take the precautionary avoidance measures? Unknown does not mean safe . . .** **Governmental agencies for protecting public health and safety should be much more vigilant towards involuntary environmental exposures because governmental agencies are the only defense against such involuntary exposure.** Given the uncertainty of the SmartMeter safety, one rational first step of public policy could be to **require household consent** before installation of SmartMeters. Finally, because of the nature of universal exposure, **many susceptible and vulnerable populations including pregnant women and young children are unknowingly exposed 24 hours a day, 7 days a week. Usually, the threshold of harmful level is much lower for susceptible populations.**" Dr. De-Kun Li, Research Scientist, Kaiser Permanente Division of Research, Oakland California; Lecturer, Stanford University, Department of Health Research and Policy. <http://www.citizensforsafetechnology.org/Dr-DeKun-Li-Letter-re-Smart-Meter-Safety,5,1298>
- **The World Health Organization IARC Classifies Radiofrequency Electromagnetic Fields as possibly carcinogenic to humans.** May 31, 2011 http://www.iarc.fr/en/media-centre/pr/2011/pdfs/pr208_E.pdf