

SMART METER ISSUES --- Millennium Products has the answer

Transmitting smart meters are being installed nationwide on gas, water, and electrical services, driven in part by funding for the Smart Grid Program approved as part of the American Recovery and Reinvestment Act of 2009.

This is of great concern because the exposure to microwave and radiowave radiation from these meters is involuntary and continuous. The transmitting meters do comply with Federal Communications Commission (FCC) "safety" standards. However, those standards were initially designed to protect an average male from tissue heating (cooking) during a brief exposure. These standards were not designed to protect a diverse population from the non-thermal effects of continuous exposure to microwave and radiowave radiation. Therefore, these "safety" standards were not designed to protect the public from health problems under the circumstances which the meters are being used. The transmitting meters most often being used transmit continuously, every few seconds. This is picked up by a receiver and logged by the utility. You are exposed to the transmissions from all the meters within transmitting range. The meters often have a range of over 2 miles. Thus, the exposure is continuous and the "safety" standards the meters comply with are irrelevant to the situation. Please read [this letter](#) from the Radiation Protection Division of the Environmental Protection Agency (EPA) regarding the limitations of the FCC standards.

Some transmitting meters transmit at less frequent intervals, however, they still seem to be causing health problems. This could be due to the still elevated levels of radiowaves and microwaves in the neighborhood because of all the neighbors transmitters. Remember, many, many meters are transmitting at these intervals. (One person with a meter transmitting hourly reports waking at the time it transmits.)

The transmitting meters can also put high frequencies directly on home and building wiring. This can happen deliberately through signaling to electrical loads or inadvertently through poor engineering. Poorly engineered meters can cause electrical pollution by putting the transmitted signal directly on home wiring or by the way they draw power to operate. Whether deliberate or inadvertent, studies are finding high frequencies on building wiring is related to a host of health problems. [Milham and Morgan](#) found a dose-response relationship between high frequencies present on building wiring and cancer. Removing high frequencies on building wiring has improved MS symptoms, blood sugar levels, asthma, sleep quality, teacher health, headaches, ADD, and numerous other health problems. (Visit [Research](#) page to see papers.) Technical papers provide a solid electrical and biomolecular basis for these effects. A recent paper by [Ozen](#), showed that transients induce much stronger current density levels in the human body than does the powerline 60Hz signal. A technical paper by [Vignati and Giuliani](#) discusses the authors' findings that high frequency communication signals on power lines also induce much stronger electrical currents in the human body than a low frequency signal of the same strength. The induced

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currents disturb normal intercellular communications. This causes harmful short-term and long-term effects. Please see the [Technical page](#) for information about properly measuring the high frequencies on building wiring that are causing health problems. There is also a [simple meter](#) that lay people can use to easily measure most high frequencies on building wiring.

The objectives of the Smart Grid Program can be accomplished without transmitting meters and without using other technology such as high frequency communication over power lines, which are also harmful to human health. It simply requires that meters be selected that are properly engineered to meet the needs of the program without using dangerous technology. Multi-rate billing and other sophisticated metering options do not require that the meter transmit. Models are available that download periodically on phone lines, dedicated communication lines, or are read by a reader the meter reader carries. Dedicated communication cables can be used to shut off or allow on certain power consuming electronics such as air conditioners. It is essential that only meters that do not transmit or put high frequency signals on building wiring are approved for the Smart Grid Program.

The un-safeness of the "safety" standards for the continuously transmitting smart meters is apparent from the reports of health problems ranging from headaches to poor sleep to heart palpitations that begin after their installation.

Transmitted microwave and radiowave radiation also have the potential for causing serious long-term health consequences, even for those who do not notice overt symptoms. The majority of independent studies report similar results: impairment of cellular communication, DNA breakages, increased stress proteins, etc. Studies targeting cellphone and cordless phone usage are finding increased risk of brain tumors. Children seem to be particularly vulnerable. A review of studies performed prior to 2007 is available at <http://www.bioinitiative.org>. A recent public health study provides particularly strong evidence that we should be concerned about continuous exposure to transmitted microwave radiation. It can be found in a paper published in *Pathophysiology* (Volume 16, Issue 1, June 2009, Pages 43-46) [Apparent decreases in Swedish public health indicators after 1997-Are they due to improved diagnostics or to environmental factors?](#). The authors looked at trend lines in data collected by the Swedish government and found that the introduction of cellphone technology nationwide in 1997 coincided with the beginning of an accelerating deterioration of several health indicators. Specifically, the rates of prostate cancer, brain tumors, melanomas and lung cancers in the elderly all increased dramatically. So did deaths from Alzheimer's disease, traffic accident injuries, sick leave rates, and percentage of infants born with heart problems. This paper is short and well worth reading. We should resolve the public health questions before introducing further public exposure to microwave radiation, particularly involuntary continuous exposure.

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Radiowave and microwave radiation are not just a problem for people.

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