

Thank you for this opportunity to comment on this urgent matter for Pennsylvanians who are disabled by EMR Syndrome. Pennsylvanians for Safe Technology¹ (www.pasafetech.org), an all-volunteer, Pennsylvania non-profit focused on education and advocacy for the safer use of technology. We submit these comments on behalf of our organization.

We submit our remarks for this RFI, prefacing it with a request that you consider the many people who are severely disabled by Electromagnetic Radiation Syndrome, EMR Syndrome² (www.emrsyndrome.org) who will not be able to participate in this RFI for several reasons. Some cannot use computers or other devices, even hardwired ones. Many are not aware of this opportunity. Some are learning of it and contacting us tonight, reaching out for help. Many do not know how to submit a comment. We hope you will understand that there are many more people affected than who can comment through this RFI.

EMR Syndrome is a medical condition linked to exposure to man-made, artificial electromagnetic radiation (EMR). Exposure to this type of EMR can trigger a constellation of reactions from mild to life-threatening, such as heart arrhythmias, tinnitus, vertigo, headaches, fatigue, memory-cognition problems, burning skin, and sleep disturbances.

For those with EMR Syndrome, even minimal exposure can produce acute reactions that leave individuals unable to tolerate many modern environments, and in some cases, isolating them from technology and society. The EMR Syndrome Alliance (www.emrsyndrome.org) provides scientific as well as advocacy information on this disability.

People from Pennsylvania and other states have contacted us over the past 8 years to report the injuries they have experienced after using wireless technology, especially following the installation of a “smart” utility meter. Many people do not understand how sick people can become from the radiofrequency and microwave radiation transmitted by these meters; however, it is a world-wide problem reported in the medical literature.³⁻¹⁵

They want to know how they can help themselves and how they can get an analog meter, which is not associated with these injuries and resultant disability. The Amicus Brief filed by Children’s Health Defense in the Pennsylvania Supreme Court case details the complex problems with respect to engineering, human biology/medicine, and other information related to these cases. The engineering and medical sections of this brief contain information that is new to many people, even those with a greater understanding of the biological effects of electromagnetic radiation. This, other important briefs and many other

files from over the years can be found on this page¹⁶ of our website:

<https://pasafetech.org/resource-files>.

We tried for years to obtain help for people, filing many letters¹⁷ to the PA Consumer Affairs Committee, both in the House and in the Senate. One letter was hand carried around the state by a retired US Navy Officer for signatures by a representative group of Pennsylvanians. Our request was for a hearing on the health effects of radiofrequency and microwave radiation used by smart meters. We were never granted that opportunity to be heard. We believe we provided ample research and have a least 8,000 studies¹⁸ referenced on our website documenting the harm of this radiation. (<https://pasafetech.org/science>)

We emphasize the need to prevent this disability and help those who have it.

In Pennsylvania most of the people who contact us report being injured by a smart meter, however, despite a great deal of advocacy and effort by many of us, no one has been helped. Many have or develop EMR Syndrome, and become disabled by it, sometimes very severely.

EMR Syndrome, as well as other adverse health effects and resultant disability, has been documented in the medical literature, again, throughout the world.^{2,19-51}

It is possible to help them, and that is also documented in much of the literature above. We repeatedly see that people improve when they are able to reduce their exposures and worsen when their exposures are too high. One woman, with a home to live in, was forced to live in a tent because of her neighbor's smart meter. Her doctor documented that despite her meager living conditions, she was in better health in the tent than in her house. She moved out of state for a time, lived in a house again, and thrived. She was able to work again. She lost that housing and was forced to come back home to the tent, and her health worsened when she again had to live near her house with the radiofrequency/microwave radiation transmitted by the smart meter. When people with EMR Syndrome have high exposures, they get worse, lower exposures, they improve. The improvements are the most dramatic with the people who have moved out of state, where there are no smart meters or where they can obtain an opt out and live in secluded area. These people had to make painful choices to leave their homes, their family, their doctors – often because they had to chose between their health and their home.

People have reported to us that they had cancers that were in remission but returned after a smart meter was installed on the home, against medical advice. We know of at least one person who died from a cancer that returned after a smart meter was installed. One case was a US veteran with a history of cancer who had medical documentation from a hematologist that he should not have a smart meter for medical reasons. The utility initially

granted the person some time without the meter, but shortly thereafter threatened to turn his power off if they did not accept the meter. Fearing for his life, he went “off grid”, waking up early to start a generator to keep his family warm. After about 10 days of this arduous routine for a sick disabled veteran, this gentleman, who served our country, was exhausted and felt forced to accept the smart meter. I spoke with him about two months later. He was on his way to a teaching hospital for cancer therapy.

The carcinogenic effects of this kind of radiation are documented in an entire chapter of a medical and engineering textbook⁶¹ and elsewhere.

Lives could be saved by allowing people to adhere to doctors’ recommendations, as well as the findings of medical research showing the harm of this radiation.

The overwhelming majority of people who report injuries and resultant disability from smart meters were healthy, functioning well at work and home, and participating in society. They were able to travel, and many were able to use wireless technology until they were injured, especially in the case of those reporting injuries from smart meters. Many of these people are now severely disabled, confined mostly to their homes, unable to work or if they can work, they are working less. Many are struggling simply to complete their activities of daily living, isolated from friends and family, connected only by landline phones, which are rapidly being disconnected, leaving them with no way to call anyone, even in an emergency. This causes tremendous stress for them, it is heart-wrenching for us to see the distress they are in over the reality of losing their phones, often the only means of communication they have.

Accommodation of this disability is increasingly rare and now both private and public transportation is mostly inaccessible to this population. New cars have extensive wireless features that cannot be turned off. Public transportation is worse, as there is exposure to many people using cellphones to occupy themselves during the ride. All of this creates a major access barrier to transportation. If someone with EMR Syndrome has a car and is able to drive and gets in an accident, they need to have a friend with an old car who can pick them up. They cannot ride in newer cars. Cars need to have “airplane mode” switches to disable the wireless so people with EMR Syndrome can safely ride in them.

Some are now at risk of serious medical problems from the meters, problems that can be life-threatening, making the transportation matter a serious one to address.

The disability resulting from “smart” utility meters can be catastrophic in that the forced exposures prevents them from regaining their health or even simply living or being in their home. There is currently no safe housing in Pennsylvania unless one is able to afford a large

enough property and to go “off grid”. The remediation products, electric and other work needed to help them is extremely expensive, beyond the reach of most people.

There are things that can be done to help most people with disabilities access housing, and other vital services and participate in society. However, with EMR Syndrome, the only solution is to decrease exposure, which is very difficult - and in many cases impossible. A revised FCC guideline is needed to protect health and allow for proper housing and access to vital services for people disabled by EMR Syndrome. Pennsylvania needs a new state law allowing the use of analog meters. Simple steps can be taken to vastly improve the lives of people with EMR Syndrome such as disability accommodations by utilities, telecom companies, as well as in hospitals and other places of public accommodation.

This is a preventable cause of severe disability and homelessness.

The people who have had the best outcomes, and a return to near normal function have generally spent over \$200,000 on remediations to their home. Others either become more disabled or stop living inside their homes. They resort to living outside in tents, trailers, or other structures or move to a state where smart meters are not mandatory. Most people who have experienced this have filed at least one formal complaint with the PUC, but to date no one has been helped and smart meters continue to be forced on even the most vulnerable people with extensive medical documentation of the need for an analog meter, including physician letters documenting the risk of death for the person if a smart meter is installed.

The Utilities have not provided an ADA Accommodation for anyone, despite many requests, even from doctors when the disability is severe and the person has medical documentation that life-threatening health problems can occur because of the meter. The legal process to attempt to obtain relief from utilities in Pennsylvania has been exceedingly difficult for many, in terms of time, stress and financial cost. Seniors have told us of their difficult choice not to buy groceries because they needed the money for multiple photocopies of PUC smart meter evidentiary materials, which unfortunately, in most cases were not admitted as evidence.

The problems we face in Pennsylvania regarding all of these matters are many and very serious. We hope and pray that the department of Health and Human Services and the FCC will work together to help end the plight of people everywhere who are in harms way of radiofrequency microwave radiation, as well as the effects on household wiring from smart meters, described in the engineering section of the PA Supreme Court Brief. We all need a more protective FCC guidelines, and more help to prevent, recognize and treat EMF-related illnesses, with more training for physicians, EMFs, and all health care workers. Our children

are more vulnerable than adults, as are people with medical problems and disabilities. We need you to work to protect everyone - and provide care, treatment and a means of recovery and rehabilitation for those who have developed EMR Syndrome.

People with other disabilities are also likely affected but unaware of the cause of some of their disabling symptoms. Reducing these exposures is critical for those most affected but will be a blessing for everyone.

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