

## 1. AMF METERS EMIT RADIATION

An AMF (Advanced Metering Functionality) meter is a device that transmits two-way digital **pulsed modulated** low radiofrequency signals in the 900-928 MHz and 2400-2483.5 MHz frequency bandwidths. This type of man-made electromagnetic radiofrequency (RF) and microwave (MW) radiation moves easily through brick and concrete at long distances. It has already forced people across the U.S. and Rhode Island to leave their homes due to severe medical injuries brought on by constant, close exposure to man-made RF/MW radiation sources such as smart meters and cell towers. The wireless industry itself acknowledges in its own publications that RF/MW radiation is an environmental pollutant.

**You can't shut AMF (Smart) meters off. They are constantly on, leaving your body perpetually exposed to radiation with no time to adequately rest and complete the cell repair it needs in a 24-hour cycle.**



**Keep your old meter! Even better if it's analog.**

## 2. AMF METERS HAVE NOT BEEN PROVEN SAFE

The engineering of AMF technology has relied on non-protective, flawed, outdated (**1996**) radiation guidelines and assumptions established long before cell phones and other wireless devices were in everyday use. It doesn't take into account current biomedical research about the immediate, chronic, and long-term **biological harm** to humans and the planet's ecosystem from ever-expanding man-made RF/MW radiation. (The *low* in low frequency wireless radiofrequency pulsed transmissions does not mean *low risk*, and digital *pulsed modulated* signals are more dangerous than continuous transmission.)

**Rhode Island has no regulations established for testing RF/MW radiation levels anywhere in the state; not in our homes, businesses, schools, libraries, hospitals, or communities. No assessments have been made to calculate the cumulative and synergistic effects of the constant personal, municipal, and state-wide involuntary exposure which has been exponentially increasing during the past 25 years.**

## 3. SMART METERS AREN'T SO SMART

**ECONOMY** — AMF meters:

- employ software requiring upgrades every 5-7 years (unlike safe analog meters that last 30-50 years and have been used reliably for over a century)
- use electricity to run, adding to your bill
- require a **Mesh Network** system to support them which takes at least 10X the energy of a traditional analog wired system and burdens an already inadequate electric grid

**SAFETY** — AMF meters:

- are known to have caused electrical fires that can't be extinguished until the electricity is turned off, thus potentially preventing consumers from having enough time to escape; homeowners have been held liable for damages, not the utility company
- have caused household appliances to malfunction
- produce high voltage transmissions on household wiring, **dirty electricity**, which causes additional health risk

**PRIVACY AND SECURITY** — AMF meters:

- are not safe from hacking and **surveillance**
- give the utility company an ability to remotely shut off your power and make future changes, including adjustments **to control your use**
- have built-in Wi-Fi, enabling the utility company to harvest data on appliance use, which may be shared with third parties without informed consumer consent

**NATURAL ENVIRONMENT** — AMF meters:

- are not green; they increase CO<sub>2</sub> and electrosmog
- emit RF/MW radiation that is biologically potent and adds to the **pollution** which has already been harming people, wildlife, plants, and trees for decades
- emit RF/MW radiation harmful to pollinators, threatening our food supply
- require a Mesh Network, introducing a massive, untested, unprecedented experiment on the health and well-being of unwitting populations and the environment

**HUMAN HEALTH** — AMF meters:

- are on 24/7, **invisibly irradiating** you and the environment
- are not health tested by the FDA, EPA, CDC, National Cancer Institute, or any other independent governmental agency
- are reported as triggering severe electromagnetic illness
- are the subject of lawsuits across the U.S. brought by injured individuals

## 4. AMF METERS POSE MEDICAL RISKS

**You can be harmed by RF/MW radiation without having any symptoms.** While people everywhere are now widely exposed, most of those who are symptomatic will fail to connect their adverse health conditions to technology and to man-made radiation because it's invisible. Multiple body systems are affected by this pollutant and, since we humans are all electromagnetically and biochemically unique, individuals will respond differently to exposure. Early signs of the harmful effects of wireless technology include:

- **Headaches, difficulty thinking, sleeping disturbance, memory problems, dizziness, balance problems**
- **Tinnitus, ear pain, vision change, eye pressure or pain, skin rashes, nosebleeds, numbness, tingling**
- **Heart palpitations and blood pressure changes**
- **Asthma and other respiratory problems**
- **Digestive and urinary dysfunction including nausea**
- **Chronic pain and fatigue, agitation and anxiety**

More serious complications can occur over time like blood pressure and blood sugar abnormalities, fertility issues, peripheral nerve problems, and life-threatening conditions such as cancer and heart disease. Other risk factors are conditions linked to OS (oxidative stress) and MD (mitochondrial dysfunction); MCS, CFS, IBS, FM, and mold sensitivity. Children, pregnant women, men of reproductive age, the chronically ill, the disabled, and the elderly are at higher risk.

## 5. THE ONLY AGENCY WITH OVERSIGHT RESPONSIBILITY WON'T DO ITS JOB

In 2021, the FCC was sued for not protecting the public against RF/MW radiation. The U.S. Circuit Court of Appeals ruled the FCC had not provided proof that it had considered 11,000 pages of scientific evidence outlining the biological harm from RF/MW radiation. The court termed the refusal to update the **1996 limits** "arbitrary and capricious." The FCC has yet to respond to the court order, and currently the permitted, but still outdated, exposure levels in the United States remain among the **Highest in the World**.

**Existing exposure standards are based solely on evaluation of one RF/MW radiation characteristic, heating. They don't take into account the extensive, known adverse biological reactions. They also do not include calculations of the type, amount, and time periods of exposure people actually experience today.**

## 6. AMF SYSTEMS POSE INSURANCE RISK

In 2019, an international insurance underwriter, SwissRe, identified electromagnetic radiation and wireless connectivity as top emerging hazards to health, cyber exposure, information security and national sovereignty. **Rhode Island Energy/PPL, according to their company Terms and Conditions, will not be held liable for health and safety problems, privacy and security problems, or your financial losses due to AMF equipment malfunction.**

## 7. WIRELESS AMF SYSTEMS ARE BOTH A COMMUNITY AND AN INDIVIDUAL RISK

AMF meters require a Mesh Network infrastructure to relay and receive wireless microwave frequency pulsed modulated signals. Each business and residential meter has a 2.4 GHz Wi-Fi radio signal and a 900 MHz network radio signal that transmit to community transmitters/receivers which radiate 24/7 as well. **Rhode Island Energy/PPL states, "Under normal conditions, the AMF meters transmit data approximately every 15 minutes, for a total of 96 transmissions per day, but other transmissions are highly variable and the Company cannot estimate how many additional transmissions would occur."** The Wi-Fi feature emits constantly.

Neither can the electric utility determine the total number of bursts of RF/MW radiation blanketing an entire community from the whole AMF Mesh Network and from other sources of RF/MW radiation such as densely-spaced neighborhood small cell sites and large cell towers with multiple antennas.

**If even a single neighbor's wireless meter is closer to a part of your home than your own meter, the radiation in parts of your home can exceed the radiation from your own meter.**

On top of that, wireless smart appliances, such as smart electric stoves and smart electric clothes dryers will also contain wireless transmitters and receivers. Not only will wireless AMF meters be constantly probing for data from your appliances, appliances will be responding by sending their own radiation throughout your home 24/7. Unmonitored, ever-growing levels of RF/MW radiation and dirty electricity (DE), will further increase human health risk.

**Once a Mesh Network is installed in a community, there is no escape from the radiation anywhere in that community. Some U.S. communities have already chosen to ban smart meters.**

### DISCLAIMER

This pamphlet is intended to help advance knowledge and stimulate further research. While reasonable precautions have been taken to ensure the validity of the information given, no warranty is given towards its accuracy. It is not intended to substitute for medical or legal advice nor as a final statement with regard to possible prevention and avoidance recommendations or potential biological effects. **NO LIABILITY IS ACCEPTED BY THE AUTHORS** for damages arising from its use or misuse and interpretation by others. All references to Advanced Meter and Smart Meter Technology refer to digital/wireless meters whether one-way, two-way, or non-communicating. Adapted from stopsmartmeters.org.

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## WHAT YOU CAN DO

**1. EXERCISE YOUR RIGHT TO OPT-OUT** and urge your neighbors to do the same. Even if you don't have an AMF meter, their meters affect you, their families, and the whole community through the pervasive wireless AMF Mesh Network. Rhode Island Energy charges \$20 per month to manually read a meter. That's worth your piece of mind.

**CALL RHODE ISLAND ENERGY  
401-784-4300**

Request written confirmation of your intention to both OPT-OUT and keep your current meter. Be sure to post a sign on the current non-AMF meter stating your intention to keep it. If an AMF meter has been installed you can still OPT-OUT.

**2. SHARE THIS BROCHURE** because every consumer needs to be informed.

Electromagnetic Radiation Syndrome (EMR-S), formerly known as EHS, is recognized by the ADA and the Social Security Administration as a disabling medical condition. If individuals displaying symptoms spend enough time in unpolluted environments and avoid further exposure, their symptoms may disappear. Ongoing irradiation, however, has cumulative and long-lasting negative effects.

**3. CHOOSE HARDWIRED CONNECTIONS** because wired technology is not outdated technology.

Hardwiring via gigabit ethernet (preferred for speed by gamers) and expanding fiber optic connectivity options are more reliable, more secure, and more energy-efficient. They offer a future proof network that is safer than wireless.

**Ask yourself, "Is wireless communication truly the progress you think it is?"**

# WHAT RI ENERGY ISN'T SAYING

About the AMF (Smart) Meter Upgrade



## HARDWIRE RI

SMART METERS AIN'T SO  
SMAHT FOR LI'L RHODY



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