

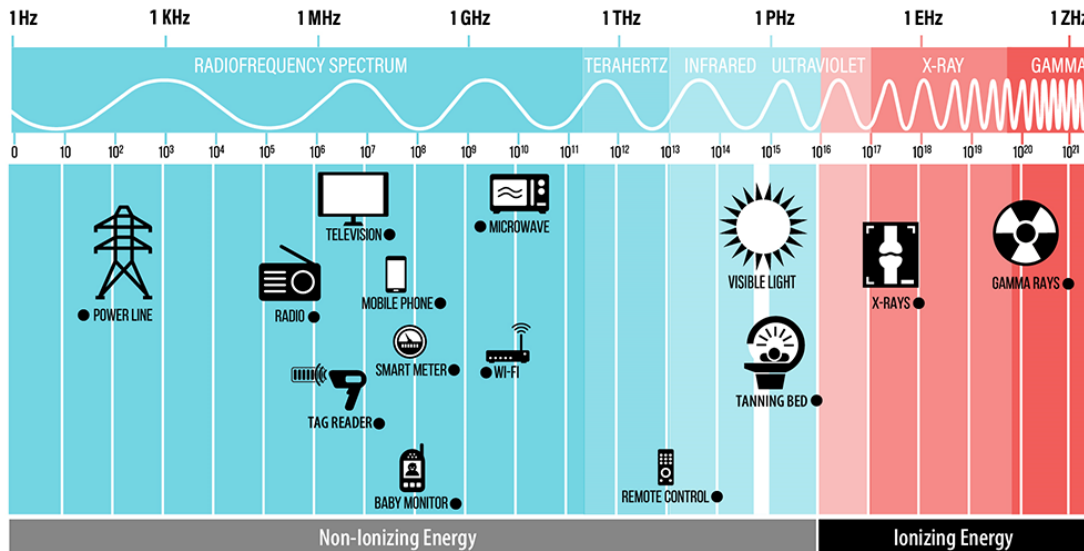
# AMI meters — How do they work?



Our meters use a radio frequency (RF) to receive and transmit information, but the RF emissions from our meters are minimal and aligned with Health Canada Standards. According to several studies, there are no health risks from our meters, due to low power signals, proximity to you and your family, and there are only short bursts of activity rather than continuous.

Your exposure to radio frequency EMF from smart meters is very low. This is because:

- smart meters emit relatively low power signals
- there is distance between your body and smart meters
- smart meters transmit data in short bursts, not continuously
- when smart meters are not transmitting a signal, they do not emit radiofrequency EMF



You do not need to take any precautionary measures to reduce your radiofrequency EMF exposure from smart meters because the exposure levels are far below Canadian safety limits.

Need more information?  
1-800-668-2248



Image Source: Government of Canada (<https://ised-isde.canada.ca/site/spectrum-management-telecommunications/en/safety-and-compliance/facts-about-towers/radiofrequency-energy-and-safety>)

Source: Government of Canada (<https://www.canada.ca/en/health-canada/services/health-risks-safety/radiation/everyday-things-emit-radiation/sma-meters.html>)

## What are AMI meters?

Advanced Metering Infrastructure (AMI) meters, or smart meters as they are commonly called, are digital electricity meters that measure how much electricity is used and when it is used. Using two-way communication, these meters digitally record and report consumption in real-time back to ATCO. AMI meters eliminate the use of physical meter reads, resulting in lower operating costs for customers. AMI meters have been implemented all over North America including in Canada from the prairies to the territories.

## What are the benefits?

- AMI meters can detect outages faster, allowing us to restore power more efficiently. This means less time in the dark, should your power go off.
- AMI meters produce timelier reads, which ensures usage calculations on electricity bills are more consistent than estimated readings.
- We can meet your needs as a customer, as home and business technologies continue to evolve with advancements and additions such as solar panels.

