

Sensus Advanced Metering Infrastructure (AMI): How it works?

- How the meter transmitter works:
 - The device sends a short radio signal on a schedule to a nearby utility antenna (Sun Hill Tower)
 - The signal contains only numbers, such as: Meter ID#, Water usage from meter, Alerts (leaks, continuous flow, battery level)
 - The antenna receives that encrypted signal and sends it into our system

👉 It cannot connect to the internet, Wi-Fi, or any cellular networks from your home

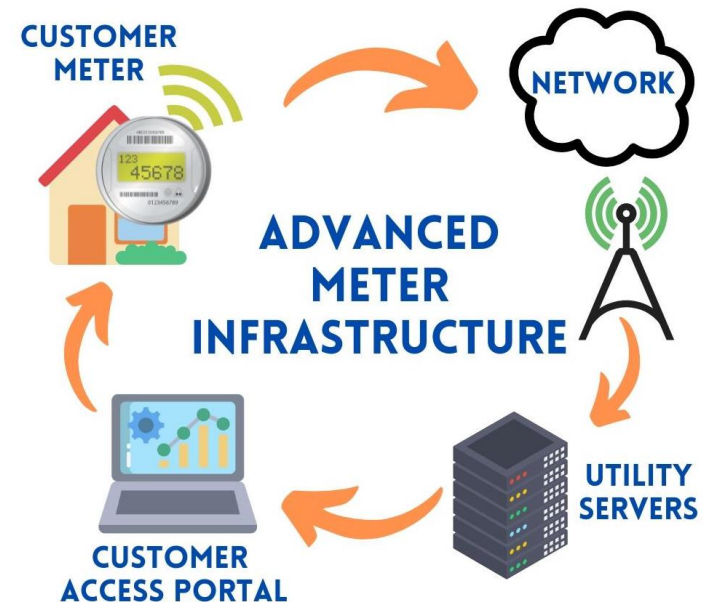
- What makes this system different from Wi-Fi or cell phones?
 - It uses a private radio frequency licensed by the FCC
 - It does not operate on Wi-Fi or cellular bands
 - It cannot connect to your home network or devices

👉 Think of it like a one-way radio message, not an internet connection

- What it cannot do:
 - Cannot connect to cellular networks or disrupt your phone
 - Cannot access the internet
 - Cannot transmit video or audio

👉 It only sends basic meter data as an encrypted numeric code

HOW DOES AMI WORK?



Sensus Smart Meter Technology: Safety Information

- Some customers have asked whether the radio signal used to read water meters is safe. This information explains what is known about these signals in clear, straightforward terms.

- What kind of signal does the meter use?

- The meter uses a low-power radio signal, similar to many everyday devices.

- This type of signal is called non-ionizing radiation, which means: It does not have enough energy to damage cells or DNA
- It is the same general type of signal used by cell phones, Wi-Fi routers and baby monitors

- How strong is the signal?

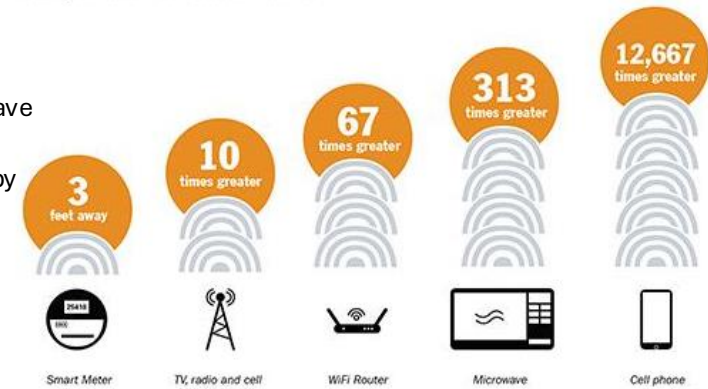
- The meter signal is very low power and used only briefly
- It transmits for short periods (seconds at a time)
- It is located away from living spaces (often in a basement or pit)
- It is not held or used directly like a phone
- For comparison: A cell phone transmits continuously when in use and is held against your body, a Wi-Fi router transmits continuously in your home, but a water meter sends short, occasional signals

- 🙌 Overall exposure from a meter is much lower than many common devices

- Is it safe?

- Independent health organizations have studied radio signals like these for many years.
- There is no established evidence that low-level radio signals from devices like water meters cause health problems
- These devices must meet federal safety standards for radio frequency exposure and the signal levels are well below those safety limits

How does RF exposure from our smart meters compare to other RF sources?*



* Based on the FCC average exposure standard which averages exposure over 30 minutes of usage (47CFR1.1310 averaging)