



## See how smart meters help us serve you better.

We're committed to using the latest, safest technology to provide reliable and affordable electricity.

**Like your cellphone, laptop and other wireless devices, smart meters use radio frequency (RF) signals—but at much lower levels.**

The typical cellphone, for example, uses RF at a rate more than 30,000 times higher than your smart meter. Even your TV remote has a higher average RF rate than a smart meter.

And unlike cellphones, laptop computers and even baby monitors, which are left on for long periods, smart meters use RF energy to transmit for a maximum total of about one hour per day.



Actions Speak Louder

See the other side for a look at how smart meters stack up to other devices in your home. [→](#)



Smart Meters:

# Radio Frequency Facts

Smart meters are a safe part of everyday life. Just like other devices in your home, they safely provide the convenience (and potential savings) you like.\*



Cellphone  
RF Level 3.1



Laptop  
RF Level .0077



Baby Monitor  
RF Level .0011



TV Remote  
RF Level .00031



Smart Meter  
RF Level .000095

It makes sense to carefully consider the potential impacts of everything you bring into your home, as well as items like smart meters that are typically placed outside. We think it's important you know the facts about smart meters and RF technology:

**+ FACT: Smart meters are safe.**

They comply with all relevant Federal Communications Commission (FCC) health and safety standards.

**+ FACT: Smart meters are NOT on all the time.**

They only transmit periodically—typically for less than 5% of the day.

**+ FACT: Smart meters won't affect your health.**

The public health and scientific community has thoroughly tested smart meters and RF technology and has reported no evidence of health impacts or concerns.

**+ FACT: The smart meter transmitter is distant.**

Smart meters are typically placed outdoors, increasing the distance between you and the transmitter.

**+ FACT: In the home, a smart meter RF level is over 100,000 times below the FCC limit.**

Plus, it's more than 30,000 times lower than "always on" technology like your smartphone.

For more information about Dominion Energy's smart meter initiative, visit [DominionEnergy.com/SmartMeter](http://DominionEnergy.com/SmartMeter)

Source: SiteSafe

\*Average exposure measured in milliwatts (mW) per square centimeter is the average amount of energy exposure over a period of time from a particular source.

In the U.S., the Federal Communications Commission (FCC) establishes the requirements for use of RF and acceptable exposure limits for the public. Dominion Energy's smart meters comply with all requirements set by the FCC, as well as international requirements set by global bodies. The smart meter's operating band is 26 MHz wide between 902 and 928 MHz. FCC exposure limit is frequency-dependent, and the limit for this band ranges between 601 and 619 µW/cm2 (microwatts per square centimeter). The exposure level from a smart meter at one foot is more than 150 times lower than the FCC limit.



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