

Starting in January... Implementation of Smart Meters



In a continuing effort to improve our water service to you, the Town of Belmont Department of Public Works, Water Division, is implementing a town-wide upgrade to our water metering system. This includes installing a new water meter and/or water meter reading device at your home or business. **This installation is mandatory at no additional charge to you.**

Our installer will contact you to set up an appointment.

Benefits:

- Water Conservation - Savings for both the Town and our customers. By setting usage parameters and available consumer engagement tools, Belmont customers will be able to see their water consumption instantly using their mobile device.
- Water Theft, Leakage Detection and Control - Abnormal consumption or leakages are reported in real time to the user and the Water Division.

*Additional metering for outdoor use and apartments is permitted.
Please see our website for more details.*



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RF exposure comparison of Smart Meters to other commonly used devices



The use of radio frequencies (RF) in consumer products such as cellular phones and wireless routers has increased considerably over the past decade, and continues to increase. Although Smart Meters utilize RF technology, they present significantly lower RF exposure for consumers than many other products that are used daily without concern.

In the US, the FCC establishes the requirements for use of the RF spectrum and acceptable exposure limits for the public. Elster Smart Meters comply with and exceed these requirements, as well as international requirements set by global bodies. Typical exposures from Elster Smart Meters are well below the most conservative limits.

Smart Meters send information about electricity use to utilities by RF signals. The exposure from Smart Meters is much lower than other common sources for two reasons: 1) infrequent signal transmission, and 2) distance from the source.

Why Smart Meters?

Smart Meters bring many benefits to consumers through operational efficiencies and enhanced service. A few examples of the many benefits are improved energy management, minimized utility visits to your home through remote meter reading and remote turn-on and turn-off capabilities, as well as improved outage response. Deferred generation and transmission capital expenditures for utilities will defer rate increases and provide for a cleaner environment, while benefits such as optional load control and new rate designs can help reduce costs during periods of peak demand.

Typical Values*

 Smart Meter 900 MHz radio	 Baby Monitor 7 x greater	 Wii Remote Controller 30 x greater	 Nintendo DS with WiFi 180 x greater	 WiFi Access Point 400 x greater	 Cordless Phone 1,000 x greater	 Cell Phone 1,000 - 10,000 x greater
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*Based on FCC 47CFR1.1310, which averages exposure over 30 minutes of usage. Comparative data provided by Elster.