



## AMR/AMI Opt-Out

If a customer elects to opt out of our AMR/AMI program, we will exchange the customer's AMR/AMI meter(s) with non-automated meter(s) or remove the AMR/AMI module.

Participation in the program requires:

- An initial setup/meter change-out fee of \$200 per electric meter and \$80 per water meter.
- The customer to provide access to the meter(s) each month to allow manual reading of the meter. Customer self-read and reporting is not available.
- The customer to pay a \$55 read charge each month for manually reading the meter(s) in addition to the standard monthly charges for utility services.

### Benefits of automated reads

Smart grid enables significant operational efficiencies and improvements in the area of grid reliability, outage notification and availability of renewable energy. The opportunities the meter data can provide customers such as time of use rates and usage information will empower customers to make choices about how they use energy and water resources efficiently and to enjoy more cost-effective customer services.

### Health concerns: RF emissions

RF emissions are transmitted throughout the day by many commonly used devices such as microwave ovens, cordless and cellular telephones, wireless computers, wireless baby monitors, garage door openers, and Wi-Fi computer networks. Smart Meters communicate in much the same way. The RF emissions produced by Smart Meters is extremely small in comparison to the RF emissions from other commonly used devices.

### *Radio-Frequency Levels from various sources in microwatts per square centimeter ( $\mu\text{W}/\text{cm}^2$ )<sup>1</sup>*

Source	Power density ( $\mu\text{W}/\text{cm}^2$ )	Distance	Time
Cell phone	1-5	At ear	During call
Cell phone base station	0.000005 - 0.002	Tens to a few thousand feet	Constant
Microwave ovens	5	2 inches	During use
WiFi Networks	0.0002 - 0.001	3 feet	Constant when nearby



<b>Smart meters</b>	0.0001 (250 @ 1% duty cycle)	3 feet	When in proximity during transmission
<b>Smart meters</b>	0.0000009 (250 @ 1% duty cycle)	10 feet	When in proximity during transmission

<sup>1</sup> "Radio-Frequency Exposure Levels from Smart Meters: A Case Study of One Model," Electric Power Research Institute, February, 2011.

<sup>2</sup> Microwave exposure is often measured in units of "microwatts per square centimeter" ( $\mu\text{W}/\text{cm}^2$ ), referred to as the "power density." From the source, microwaves extend in all directions, forming an imaginary sphere. The energy on a given square centimeter of the sphere at a particular distance is the power density at that distance.

### **Compliance with RPU Water & Electric Rules and Regulations and Additional Responsibilities**

Participation in the Opt-Out Program requires compliance with the RPU Water & Electric Rules and Regulations. All meters shall be owned, installed, maintained and read by RPU. Customer may incur additional expenses if access mitigation is encountered. If a customer has both water and electric services the Opt-Out option can be applied individually.