Electric Vehicle Charging Stations

Electric vehicle charging stations allow consumers to charge their electric car by buying electricity. The practice of charging a fee for the use of these stations is relatively new. Various levels of government and private industry organizations have started to install these stations to invest in clean technologies.

Many of these charging stations use measurement systems that incorporate new technologies. These new technologies must comply with different federal measurement laws depending on how the electricity is sold.

When electricity is sold at these stations, the consumer is usually charged a flat rate, a time-based rate or a blended rate (e.g. the consumer is billed for parking and for the vehicle charge together). Blended rates may also be time-based.

If the fees for the use of these stations are based on time, these stations are currently exempt from inspection or any intervention by Measurement Canada. However, if the fees are based on an energy or power measurement, then an approved and inspected meter must be used. Measurement Canada is closely following how this technology is being used, both in Canada and internationally.