

Advanced Metering Infrastructure 2.0 Meter Changeout Program

With the move to replace existing smart meters under the Advanced Metering Infrastructure (AMI) 2.0 meter changeout program, the Electrical Safety Authority (ESA) wants to remind Electrical Distributors of existing bulletins.



Figure 1: Example of new smart meter with internal disconnect

Relevant ESA Bulletins

- [DB-06-07-v2.pdf \(esasafe.com\)](#) Meter Base Failures
 - Bulletin informs the Electrical Distributor of potential safety hazards that maybe present when removing the meter.
- [DB-08-09-v2.pdf \(esasafe.com\)](#) Working in Meter bases
 - Bulletin addresses who's permitted to replace meter base sockets when damaged.
- [DB-06-10-v2.pdf \(esasafe.com\)](#) Revenue Meter Location
 - Bulletins informs the Electrical Distributor when there are issues accessing their meters.
- [DB-01-14-v1.pdf \(esasafe.com\)](#) Safety Barrier/ Supporting & Grounding Requirements of Electrical Distributors Energized Conductors and Live Parts
 - Bulletin provides information on responsibility to address the line side conduit pulling away from the meter base exposing the Electrical Distributors service conductors.
- [DB-03-19-v2.pdf \(esasafe.com\)](#) Electrical Equipment Near Combustible Gas Equipment
 - Bulletin provides clearance requirements from a natural gas or propane gas discharge opening when the meter is replaced with one containing arc producing device (i.e. internal disconnecting feature).

- [OESC Bulletin 10-15-* \(esasafe.com\)](#) Grounding with a meter base on the supply side of service boxes
 - Bulletin informs the OESC requirements of the different grounding and bonding assemblies available within the meter base.

Ontario Electrical Safety Code Issues

When the Electrical Distributor identifies issue(s) which fall under the requirements of the Ontario Electrical Safety Code (OESC), ESA should be informed of the issues by contacting ESA at 1 877 372 7233 (1 877 ESA SAFE) or emailing esa.cambridge@electricalsafety.on.ca

Items include, but not limited to:

- Line and load side ducts (i.e. conduit) pulling away from the meter base exposing consumer-owned conductors;
- Meter base pulling away from the wall;
- Consumer overhead service mast or attachment point pulling away from the wall;
- Deteriorated meter base

ESA Recommends

Electrical Distributors review with relevant operational staff and their contractors, the contents within the referenced bulletins.