



STANDARD WORK METHODS		2-3B ET
Title: REMOVAL OF SINGLE PHASE METERS		
Date: 2019-09-24		
Director Approval:	CAO Approval:	

1.0 Scope

- 1.1 This work method applies to the removal, disconnection of single phase and network self-contained socket and A-base meters on circuits energized at 300 V or less between conductors.

2.0 Definitions

- 2.1 Self-contained: Where the entire load current passes through the meter. These meters have current ratings from 15-200 Amps, may be socket connected (S-base) or bottom connected (A-base).
- 2.2 Socket Connected (S-base): This is a plug-in style of meter. The S-base meter has blades which plug into the meter socket jaws to complete the circuit. The socket remains affixed to the structure with the permanent service wiring connected to lugs inside this meter socket. This is the standard installation for all new and upgraded services.
- 2.3 Bottom Connected (A-base): This style of meter involves open wiring to a terminal block on the bottom of the meter. This type of connection has been discontinued for new services.
- 2.4 Network Meter: A network meter is a two element meter used mainly in large apartment buildings to meter two phases of a three phase system. The socket has five (5) blades rather than four. The A-base style has been discontinued for new services.
- 2.5 A-base Adapter: A device which enables a socket meter to be used bottom connected on an open wired service.

3.0 Equipment

- 3.1 Multi-meter
- 3.2 Meter Removal Tool
- 3.3 Approved Safety Glasses
- 3.4 Rubber Work Gloves
- 3.5 Trouble Light
- 3.5 Safety Footwear
- 3.6 Hard Hat
- 3.7 Flame Retardant Clothing (for use under live conditions)

Use equipment as needed, or as stated in the work method. All equipment is not needed for all applications of this work method.



4.0 Procedure

4.1 Check the Service Order to ensure you are at the correct location and meter reinstallation scheduling with the City of Summerside has occurred. Visually inspect the meter and ensure that:

- 4.1.1 The test links are closed (if applicable).
- 4.1.2 The base of the meter is not cracked or damaged.
- 4.1.3 There are no obvious external shorts or contamination in the spark gap arrestors (if external).
- 4.1.4 Verify the meter seal is intact and record the seal date.

4.2 Approved Safety Glasses and Rubber work Gloves shall be worn.

4.3 Visually inspect the meter socket. An improperly fitting cover plate or signs of severe rust of other physical damage signal the need for extra caution. The use of a meter removal/insertion tool and rubber gloved are required for these situations.

4.4 Cut seal and remove retainer ring.

4.5 Whenever possible, open the customer's main switch before removing the meter.